常州多兴电子有限公司
常州声易尚电子有限公司

Changzhou Duoxing Electronics Co.,Ltd.

Changzhou E-Sound Electronics Co.,Ltd.

地址：江苏省常州市武进区牛塘东新路11号
Add：11th Dongxin Road,Niutang,Wujin,Changzhou City,Jiangsu Province
电话 Tel：86-0519-83993358 83993358
传真 Fax：86-0519-83993358
网址 Web：http://www.duoxin.com
邮箱 Email：info@duoxin.com

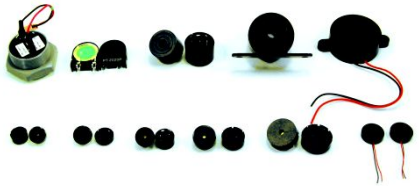
History of Duoxing

Changzhou Duoxing Electronics Device Factory Founded in 1989
Developed magnetic buzzer

1980's

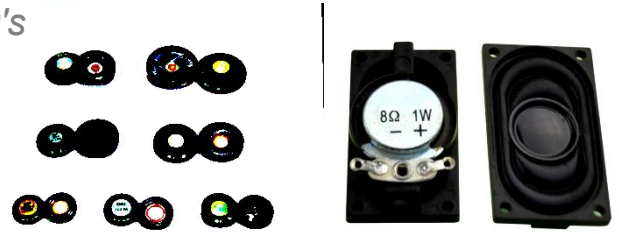
Established Changzhou Duoxing Electronics Co.,Ltd. in 1994
Developed mylar speaker in 1995

1990's



Developed Mobilephone Speaker and Multimedia Sound-Box Speaker in 1998
Devoped receiver in 2000
"ROHS" standard certified in 2007
Moscow exhibition of electronic components in 2008
Brazil international exhibition of electrical and electronic components in 2009

2000's



Munich Exhibition (India) Electronic components in 2010
Brazil exhibition electronic components in 2011
Munich Exhibition of electronic components in 2012
ISO9001:2008 certificated in 2012
Developed SMD speaker,buzzer and speaker box in 2012
Moscow International Exhibition of electronic components in 2013
Munich Electronica Exhibition in 2014
Reset up Changzhou E-Sound Electronics Co.,Ltd. in 2015 which is mainly responsible for exporting business
HongKong electronic Asia 2015
ISO9001:2008 Certificated in 2015

2010's

About US

Changzhou Duoxing Electronics Device Factory Founded in 1989. In 1994, reset up Changzhou Duoxing Electronics Co., Ltd (Changzhou E-sound Electronics Co.,Ltd) with Taiwanese.

Duoxing is a professional manufacturer specializes in developing , manufacturing and sales on electro-acoustic products. Our main products include speaker, buzzer,microphone, receiver and others,which are mainly used in medical equipment, automotive instrumentation, automotive electronics, security, notebook computers, computer motherboards, cordless phones, uninterruptible power supplies, alarm , digital cameras, Bluetooth headsets, GPS and household appliances.

With 22 years professional service team , Duoxing can offer the one-stop service for all of our clients .

质量管理体系认证证书

CERTIFICATE

注册号：CQM-32-2003-0352-0001

兹证明

常州多兴电子有限公司

住所：江苏省常州市武进区经济开发区

认证地址：江苏省常州市武进区湟湖（江苏武进经济开发区）（213149）

管理体系符合

GB/T 19001-2008/ISO 9001:2008 标准要求

覆盖的产品及其过程

DXI、DXP、DXYD 扬声器系列、DX 蜂鸣器系列、
SD 受话器系列产品的设计和生产

证书号：00212Q13931R3S　　有效期至：2015 年 7 月 19 日

（可通过登录"认证证书"查询方网网站确认本证书的有效性）

二零一二年七月二十日

GB/T 19001

体系认证
CNAS C002-Q

方圆标志认证集团

地址：北京市海淀区增光路 33 号（100048）
http://www.cqm.com.cn

Q 0066694

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQM
hereby certify that the organization

Changzhou Duoxing Electronic Co.,Ltd.

Domicile: Economic Development Zone, Wujin District, Changzhou City, Jiangsu, P.R.China
Certification Add.: (Jiangsu Wujin Economic Development Zone) Gehu, Wujin District, Changzhou City, Jiangsu, P.R.China

Postcode.: 213149

is in conformity with

ISO 9001:2008 Standard

This certificate is valid to the following product(s)/service:

Design and production of DXI/DXP/DXYD speaker, DX buzzer, SD receiver

Issued on: 2012-07-20
Validity date: 2015-07-19
Registration Number: CN-00212Q13931R3S

Michael Drechsel
President of IQNet

Zhang Wei
President of CQM

IQNet Partners*:
AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
ELOT Greece FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico INNORPI Tunisia
Inspecta Certification Finland IRAM Argentina JQA Japan KFQ Korea MSZT Hungary Nemko AS Norway NSAI Ireland
PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland
SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.
* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

ISO 9001

Certificate of Approval

Certificate No.：10119Q12214R1S

Awarded to

Changzhou E-Sound Electronics Co.,Ltd.

Organization Code Certificate No. / Unified Social Credit Code:91320412331051478 4
Add.:11th Dongxin Road,Niutang,Wujin,Changzhou City,Jiangsu PR 213163

Beijing ZhongLianTianRun Certification Center (ZLTR) certify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:

GB/T19001-2016 / ISO9001:2015

SCOPE OF CERTIFICATION/REGISTRATION

Production and sales of loudspeakers, buzzers, receivers and microphones (except for mandatory requirements of laws and regulations)

This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations. These requirements include, but are not limited to, administrative permits, scopes of qualifications, and CCC requirements.
Subject to operation conditions in requirements conformity with Quality Management System, This Certificate is valid for a period of three years only,

Date from: Mar 5th,2019 To: Mar 4th,2022
Initial Date Of Certificate Issued : Apr 15th,2016
Renewal Date:Mar 5th,2019

The effectiveness of this Certificate shall be Validated by periodic surveillance audit of ZLTR for maintenance.

Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun Certification center (http://www.zltr.com.cn)

SCC Accredited CB-MS OCSM Accrédité CCN

ISSUED BY

Beijing Zhongliantianrun Certification Center

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100102

Information of this certificate can be found on the official website of Certification and Accreditation Administration of the People's Republic of China (http://www.cnca.gov.cn)

ISO 9001

质量管理体系认证证书

证书号：10119Q12214R1S

授　予

常州声易尚电子有限公司

组织机构代码证号/统一社会信用代码：913204123310514784
地址：江苏省常州市武进区牛塘镇东新路 11 号 213163

北京中联天润认证中心（ZLTR）证明
上述组织的质量管理体系已经评审并符合
GB/T19001-2016 / ISO9001:2015 质量管理体系标准适用条款的要求

认证/注册范围

扬声器、蜂鸣器、受话器、咪头的生产、销售（法规强制要求范围除外）

本证书认证范围与其涉及有效的法律法规的要求一并使用，
该要求包含但不局限于行政许可，资质范围及 CCC 要求等。
在证书持有者的管理体系持续符合质量管理体系标准要求的运行条件下,认证有效期为三年，
自 2019 年 03 月 05 日至 2022 年 03 月 04 日
初次颁证日期：2016 年 04 月 15 日
换证日期:2019 年 03 月 05 日
本证书的有效性需经中联天润通过定期的监督审核确认保持。
本证书信息可在中心网站（http://www.zltr.com.cn）查询

SCC Accredited CB-MS OCSM Accrédité CCN

北京中联天润认证中心

中国 · 北京 朝阳区启阳路 4 号院 1 号楼 22 层 2 单元 2603 100102

手机线2线
手机3线

焊线区

Contect

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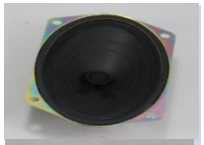	Loud Speaker	67
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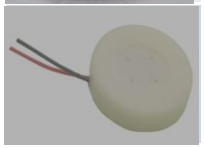
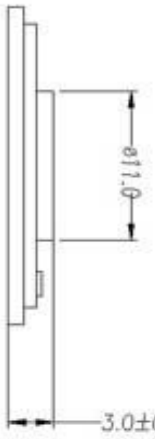
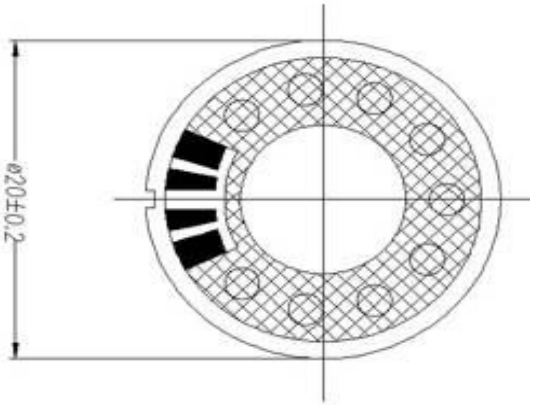
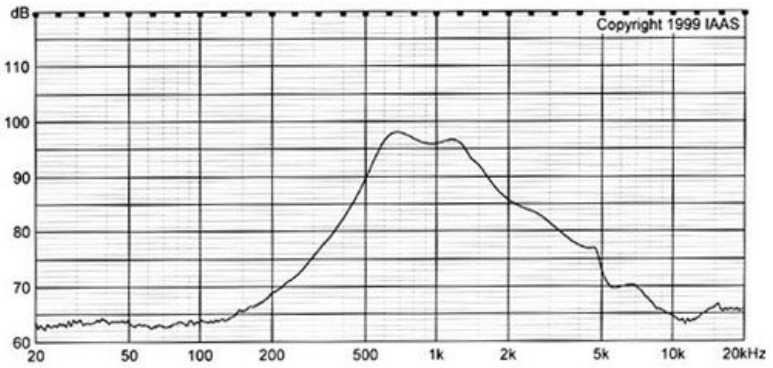
	Receiver	79

Mylar speaker
DXI20N-A

Type	Unit	DXI20N-A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency（Fo）	Hz	600
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	87±2，84±2，82±2
Crust		Iron
Height	mm	

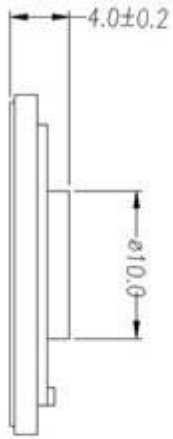


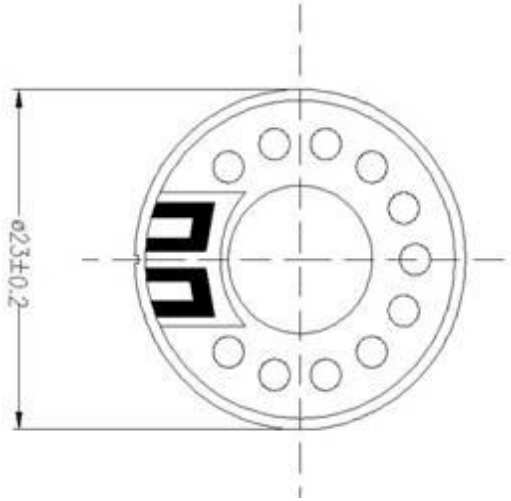


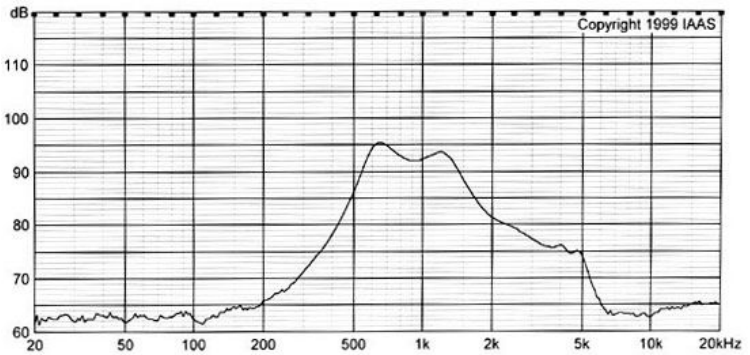


Mylar speaker DXI23N-A

Type	Unit	DXI23N-A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency	Hz	600
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	92±2，85±2，80±2
Crust		Iron
Height	mm	3.8，4.0，4.6，5.0，5.8

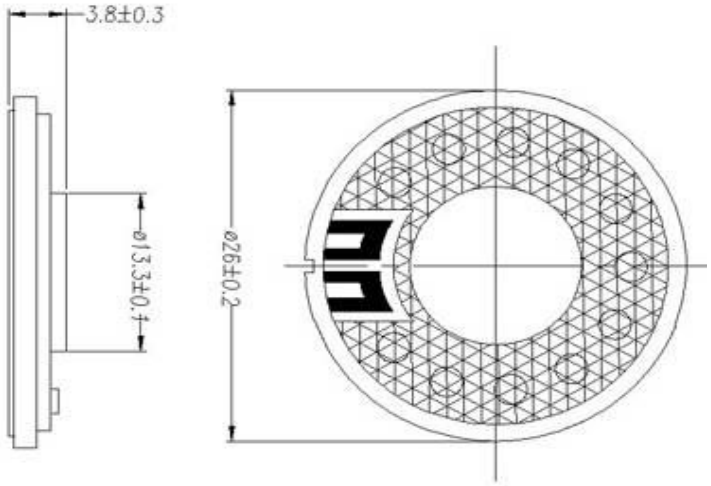


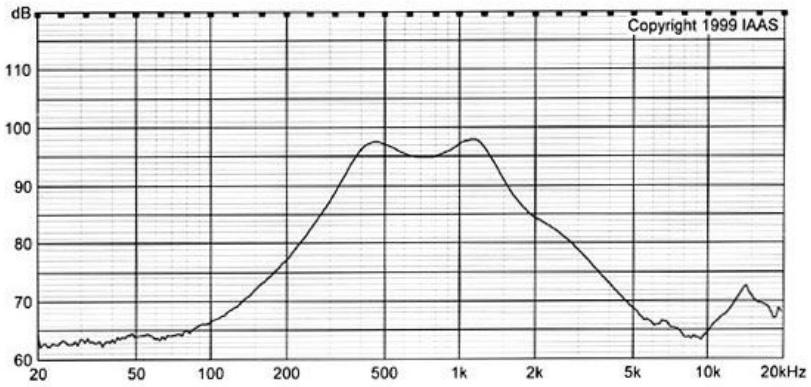




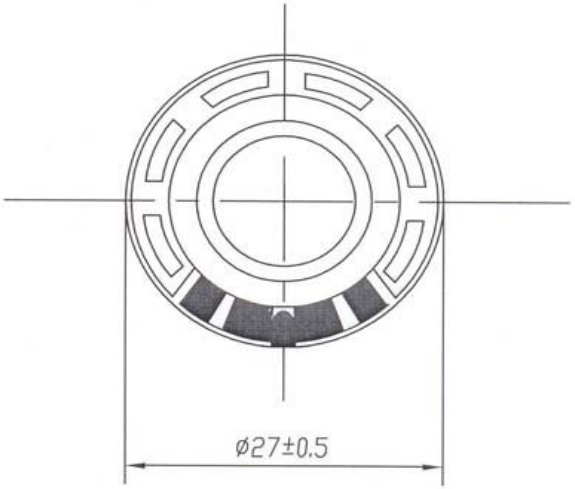
Mylar speaker DXI26N-A

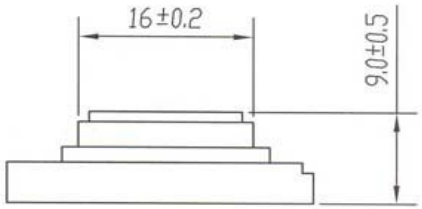
Type	Unit	DXI26N－A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency	Hz	500，350，450
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	95±2，91±2，88±2
Crust		Iron
Height	mm	4.0，4.5，5.0



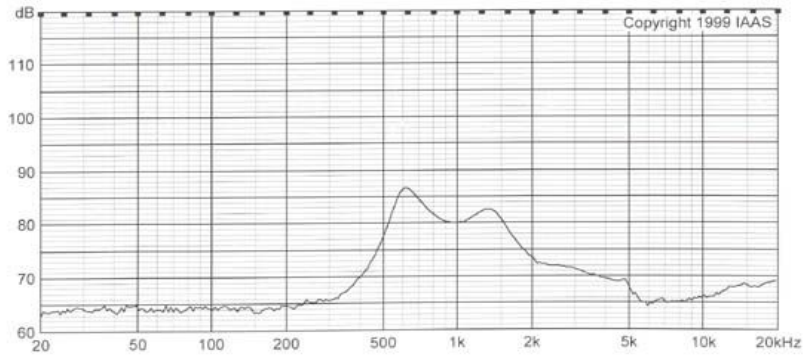


Mylar speaker DXP27W-A



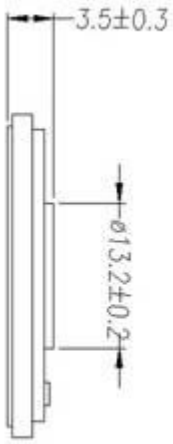


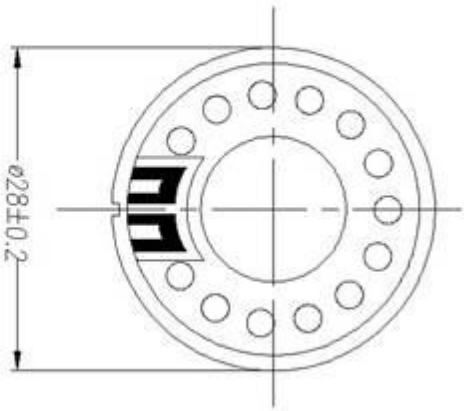
TYPE	Unit	DXP27W-A
Rated Impedance	Ω	8,16,32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency (Fo)	Hz	600
Rated Freq. Range	Hz	200~5000
Sound Pressure Level	dB	88±2
Crust		ABS

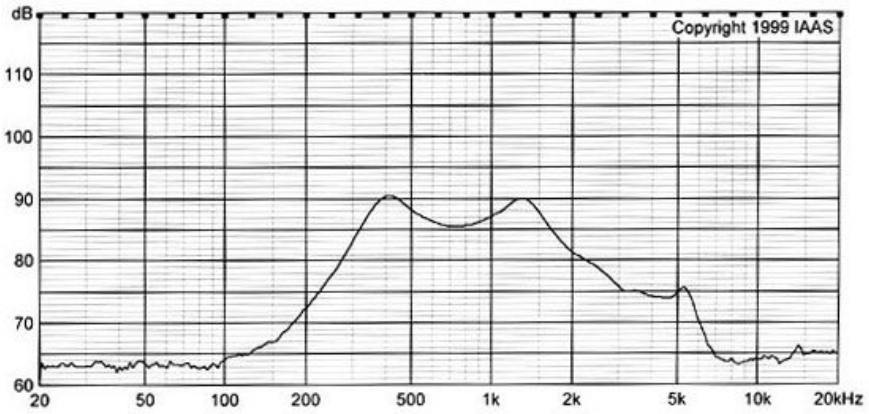


Mylar speaker DXI28N-A

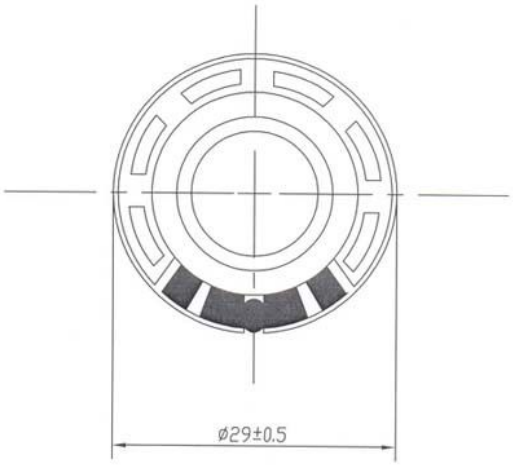
Type	Unit	DXI28N－A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency	Hz	400，450，400
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	96±2，92±2
Crust		Iron
Height	mm	4.5，5.0，5.5



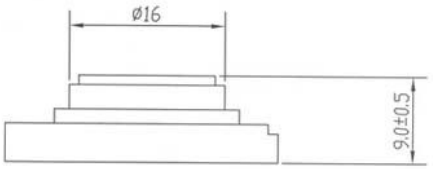


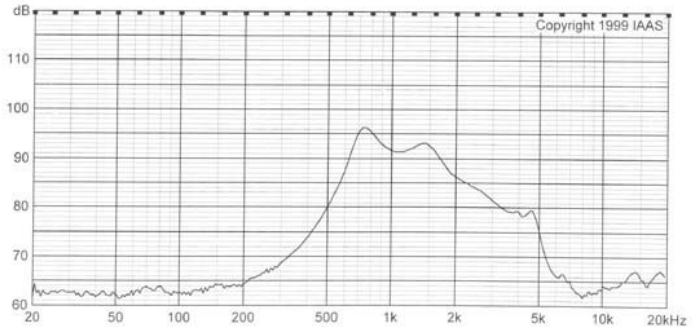


Mylar speaker DXI29W-A



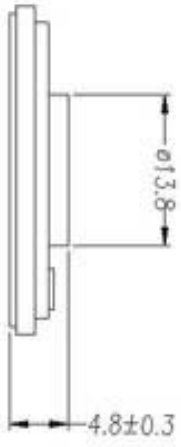
TYPE	Unit	DXP29W-A
Rated Impedance	Ω	8,16,32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency (Fo)	Hz	600
Rated Freq. Range	Hz	200~5000
Sound Pressure Level	dB	85±2
Crust		ABS

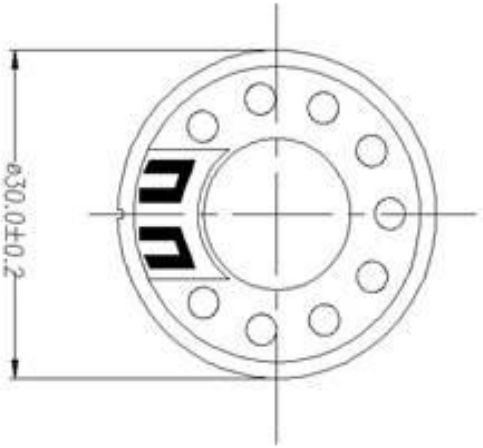


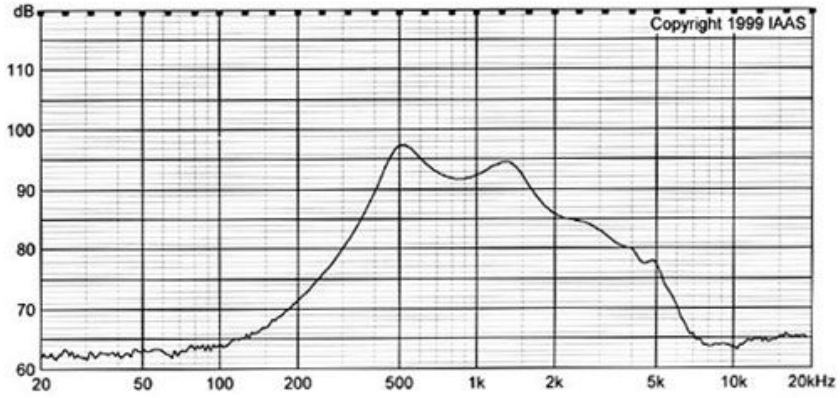


Mylar speaker
DXI30N-A

Type	Unit	DXI30N－A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency	Hz	450
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	86±2，84±2，80±2
Crust		Iron
Height	mm	4.8，5.2，5.5

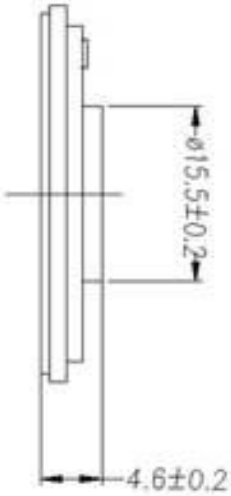


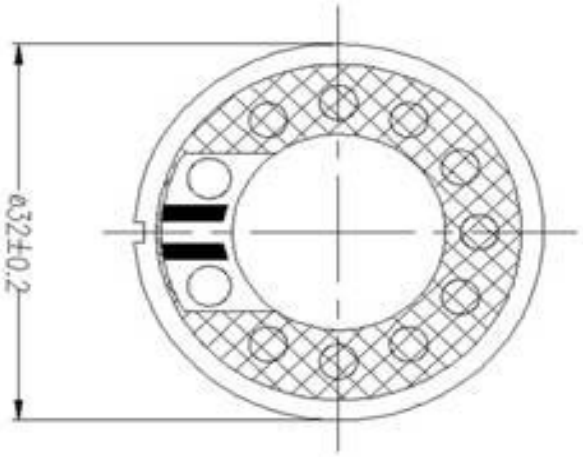


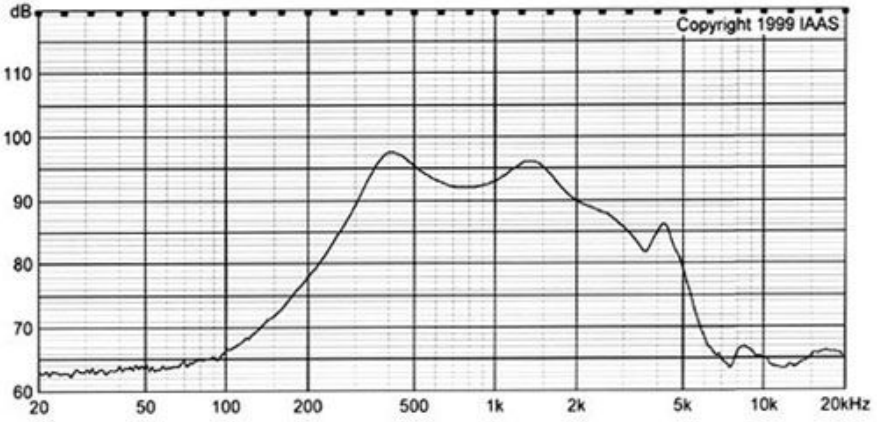


Mylar speaker DXI32N-B

Type	Unit	DXI32N－B
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency	Hz	500
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	93±2，90±2，86±2
Crust		Iron
Height	mm	4.2，4.6，5.0，5.2，5.5，5.8

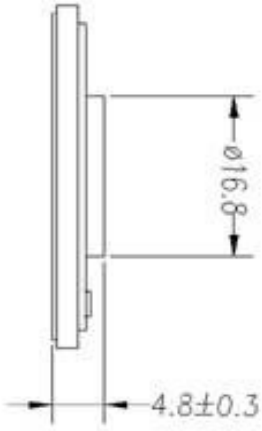


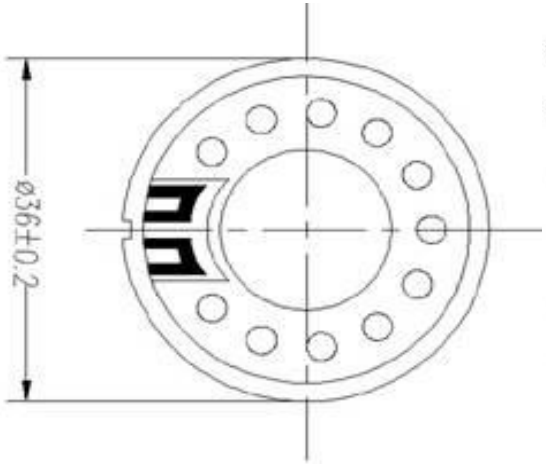


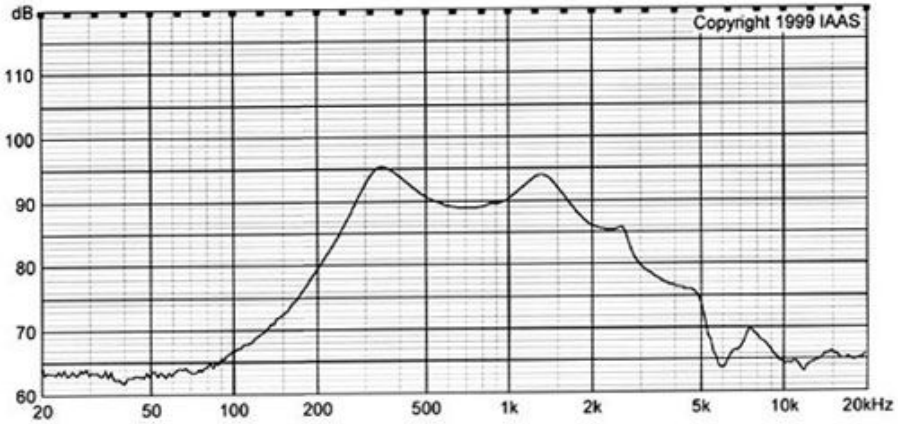


Mylar speaker
DXI36N-A

Type	Unit	DXI36N－A
Rated Impedance	Ω	8
Rated Power	W	0.25
Max Power	W	0.5
Resonance Frequency	Hz	250
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	83±2
Crust		Iron
Height	mm	4.8，5.2，5.5，5.7

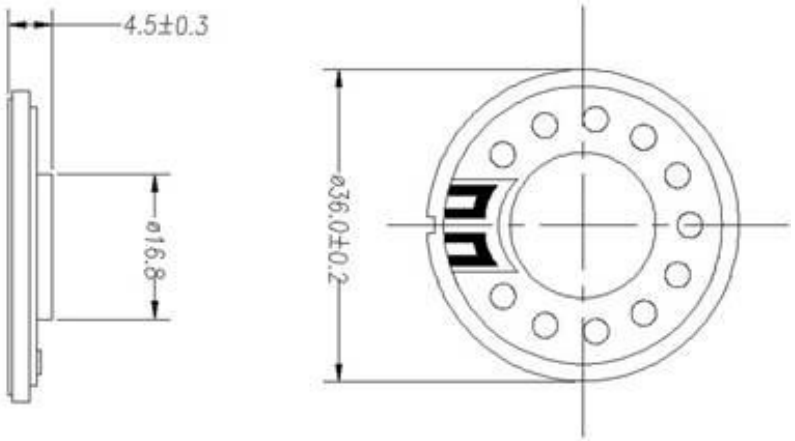


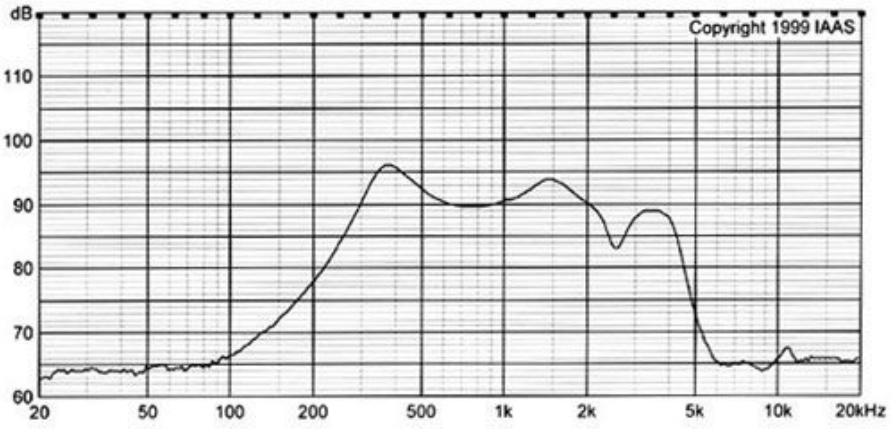




Mylar speaker DXI36N-B

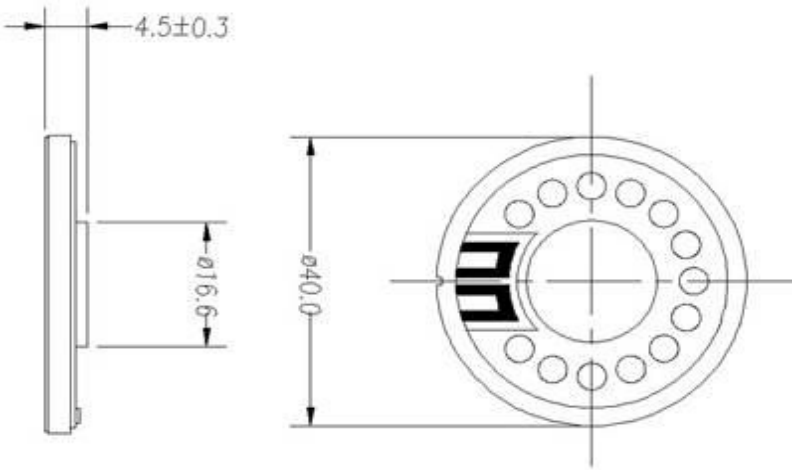
Type	Unit	DXI36N－B
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency	Hz	350
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	91±2，85±2，80±2
Crust		Iron
Height	mm	3.2，3.8，4.5，4.8，5.0，5.3

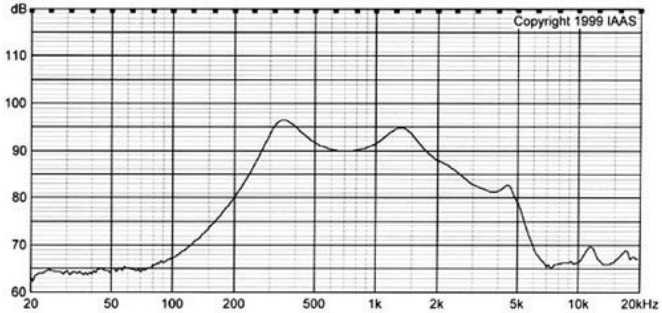




Mylar speaker
DXI40N—A

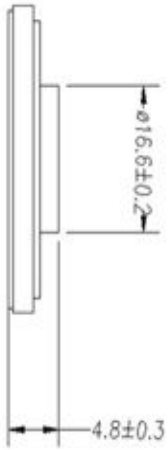
Type	Unit	DXI40N－A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8，1.0，0.8
Resonance Frequency	Hz	300，350
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	86±2，84±2，80±2
Crust		Iron
Height	mm	4.5，4.8，5.0，5.2，5.6

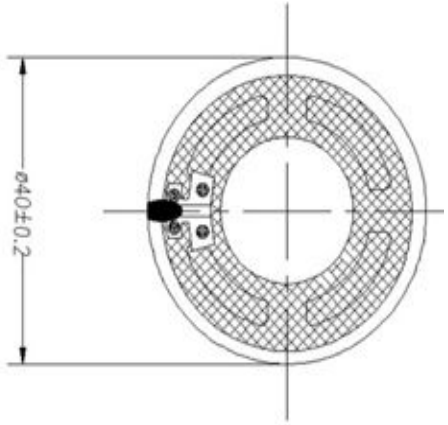


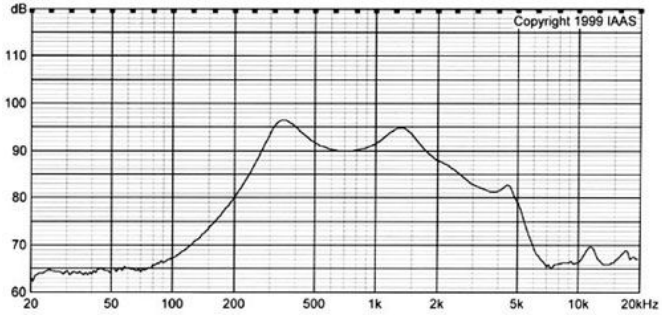


Mylar speaker
DXI40N－B

Type	Unit	DXI40N－B
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency	Hz	300，350
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	88±2，82±2，80±2
Crust		Iron
Height	mm	4.8，5.0，5.2

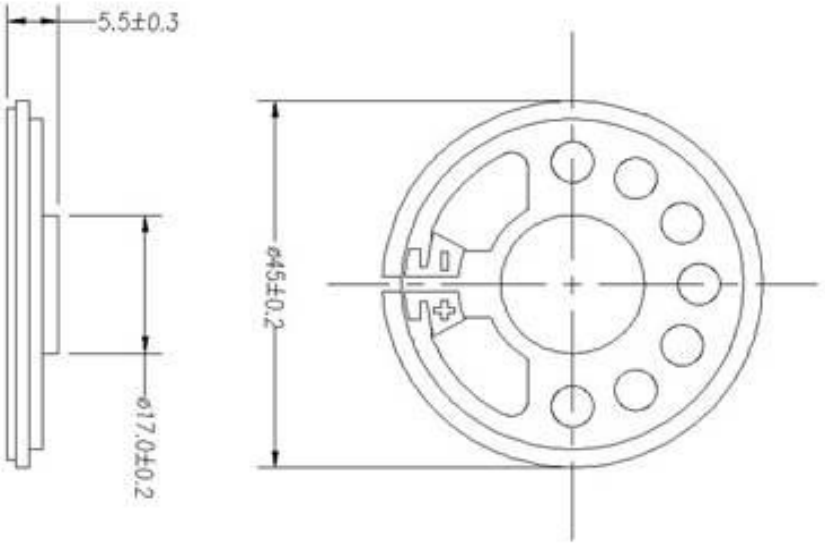


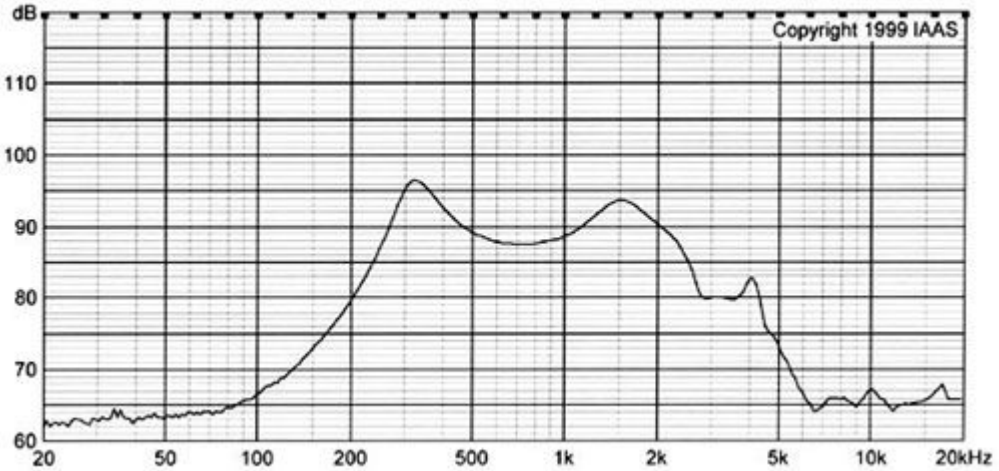




Mylar speaker DXI45N—A

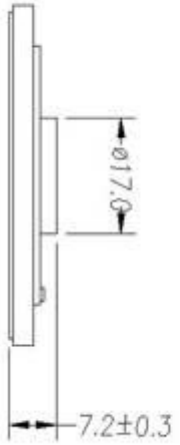
Type	Unit	DXI45N－A
Rated Impedance	Ω	8 16 32
Rated Power	W	0.25，0.5
Max Power	W	0.5，1.0
Resonance Frequency	Hz	300
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	90±2，87±2，76±2
Crust		Iron
Height	mm	5.0，5.5

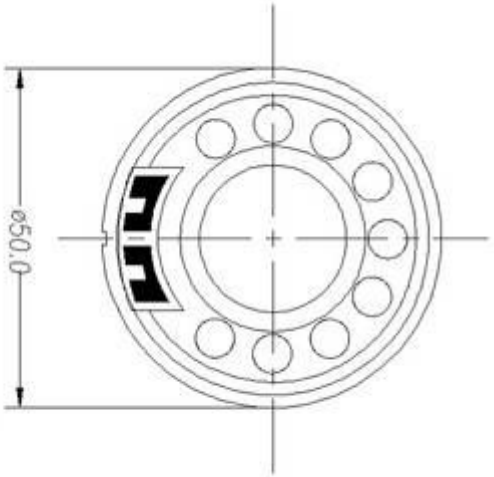


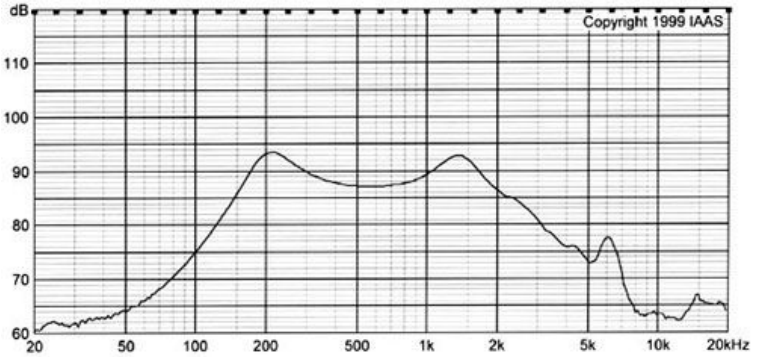


Mylar speaker
DXI50N—A

Type	Unit	DXI50N－A
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency	Hz	150
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	85±2，80±2，78±2
Crust		Iron
Height	mm	5.2，7.0，7.2

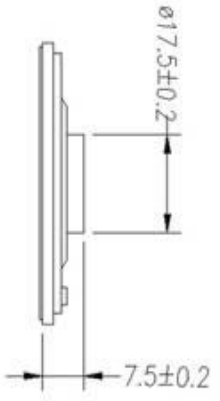


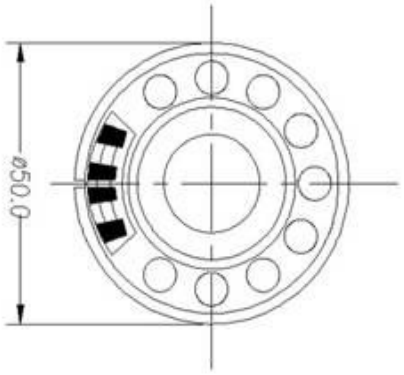


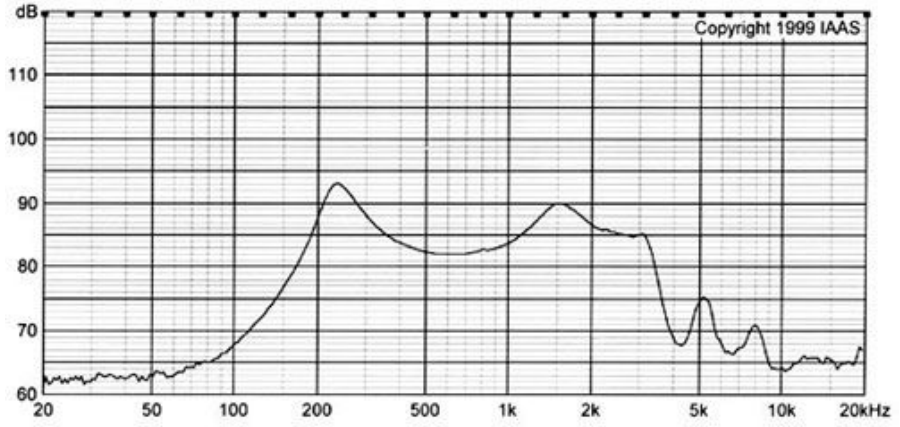


Mylar speaker
DXI50N—C

Type	Unit	DXI50N－C
Rated Impedance	Ω	8，16，32
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency	Hz	200
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	86±2，80±2，77±2
Crust		Iron
Height	mm	7.8，8.0，8.2，8.5

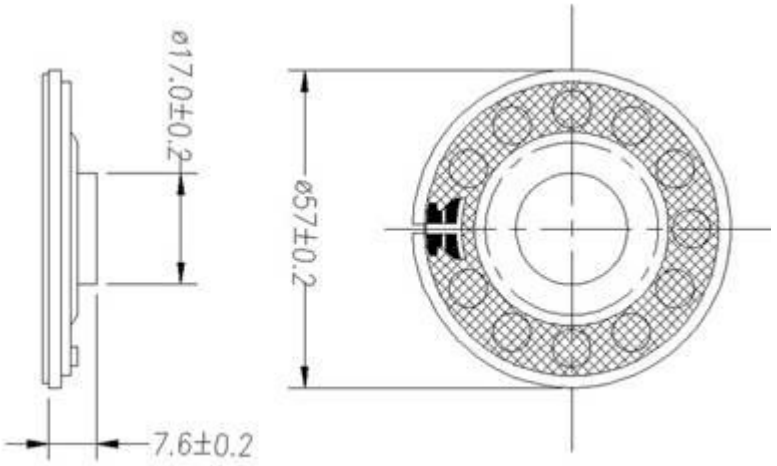


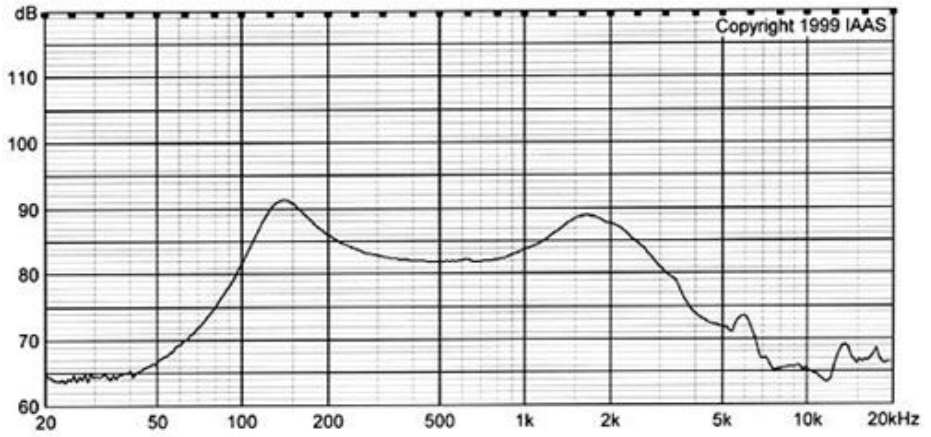




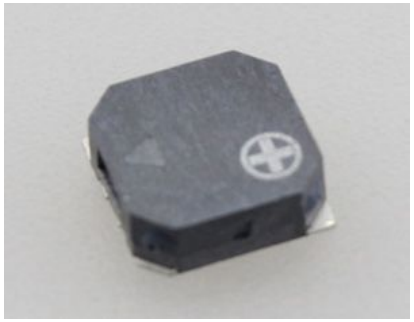
Mylar speaker
DXI57N—A

Type	Unit	DXI57N-A
Rated Impedance	Ω	8
Rated Power	W	0.5
Max Power	W	1.0
Resonance Frequency	Hz	450
Rated Freq. Range	Hz	200~5000
Sound Pressure Level	dB	82±3
Crust		Iron
Height	mm	8.7

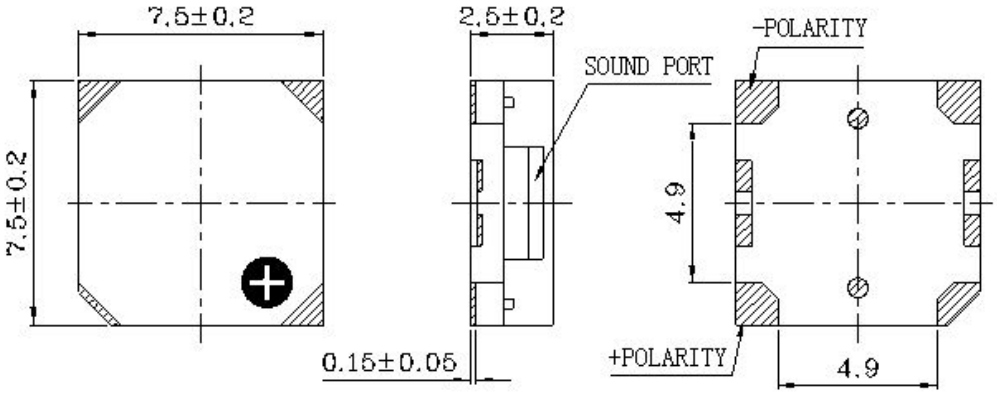


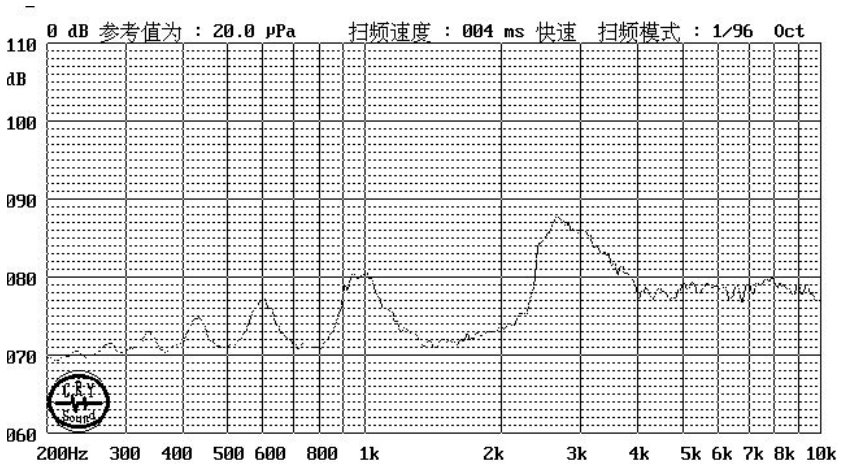


SMD Buzzer
DX7575025

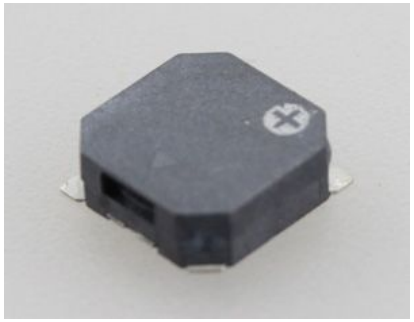


Model	DX7575025
Rated Voltage	3.6 V
Operating Voltage	2-4 V
Sound Output at 10cm (dB)	80 dB
Current consumption	100 mA
Operating Temperature (℃)	-20~+70 ℃
Storage Temperature (℃)	-30~+80 ℃

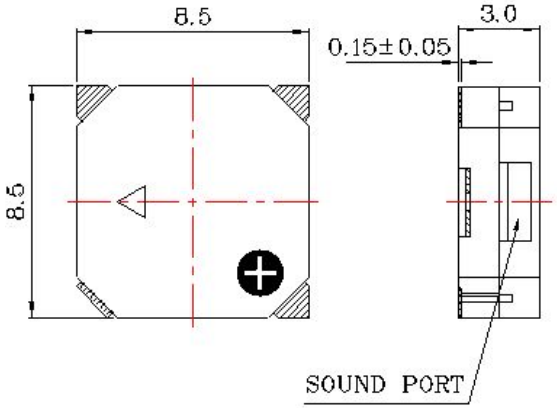


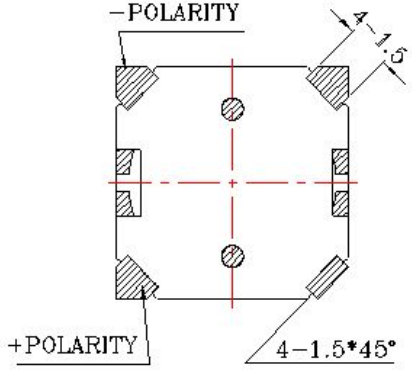


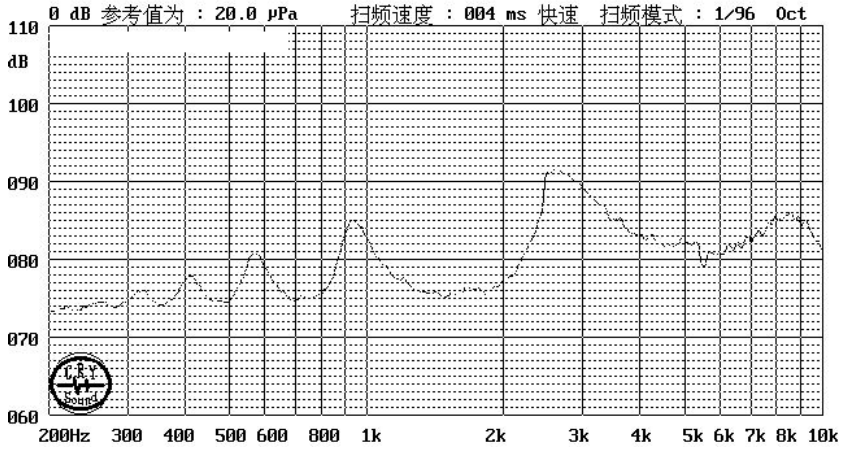
SMD Buzzer
DX8585030



Model	DX8585030
Rated Voltage	3 V
Operating Voltage	2-5 V
Sound Output at 10cm (dB)	78 dB
Current consumption	100 mA
Operating Temperature (℃)	-20~+70 ℃
Storage Temperature (℃)	-30~+80 ℃

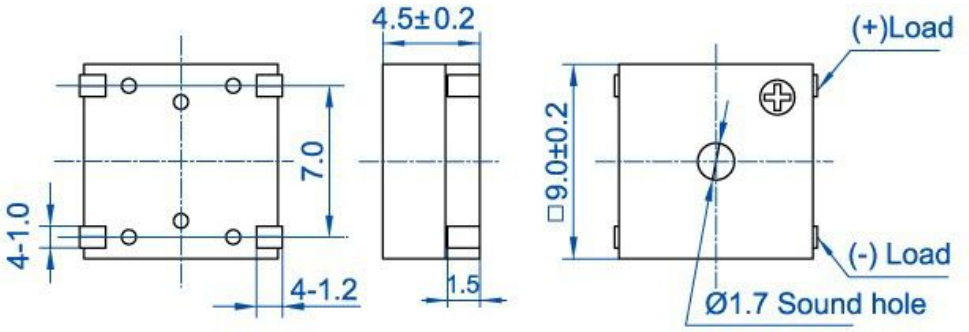


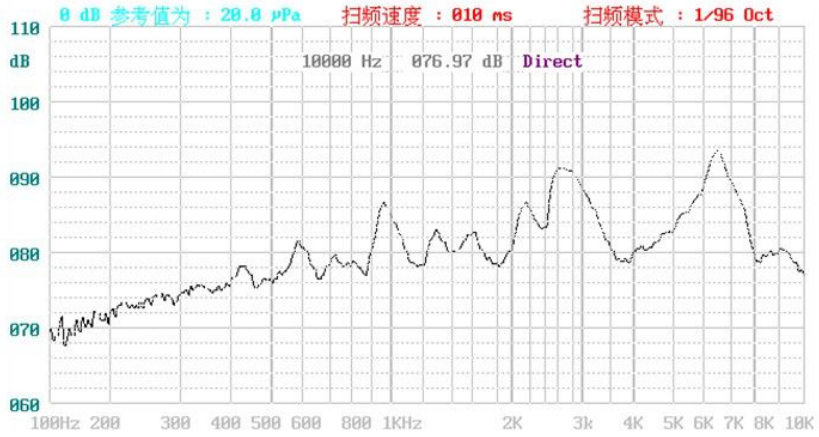




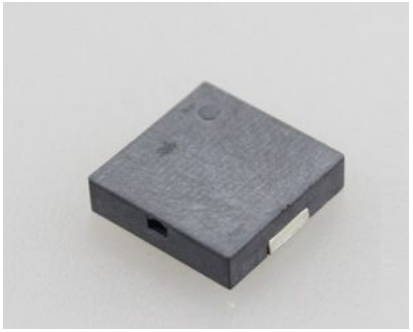
SMD Buzzer
DX9090045

Model	DX9090045
Rated Voltage	3 V
Operating Voltage	2-5 V
Sound Output at 10cm (dB)	90 dB
Current consumption	100 mA
Operating Temperature (℃)	-40~+80 ℃
Storage Temperature (℃)	-40~+85 ℃

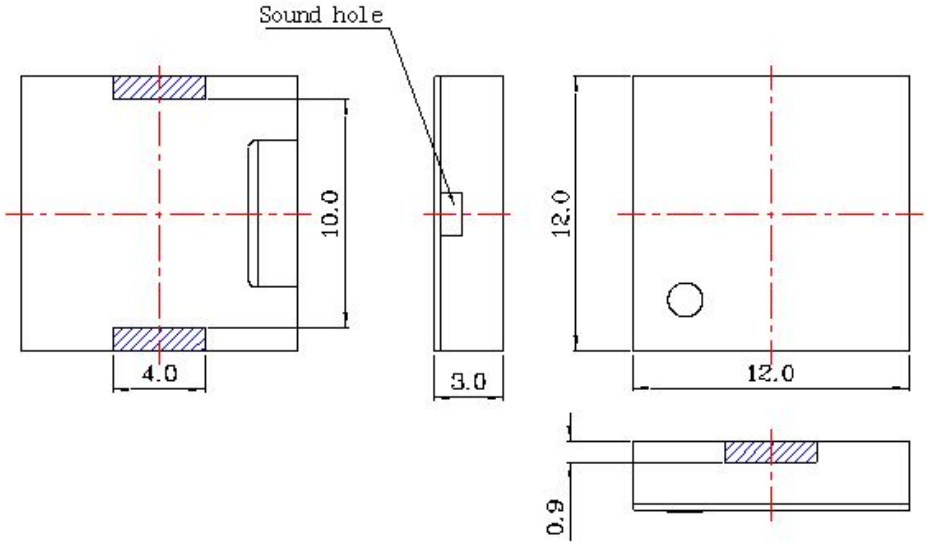


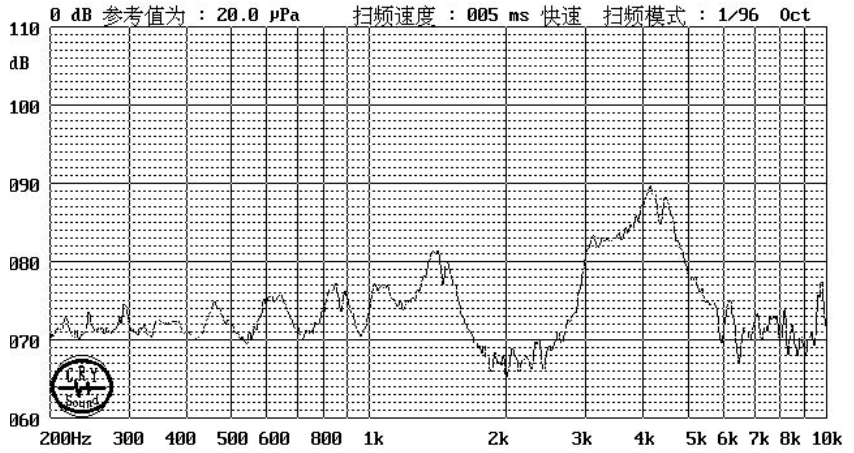


SMD Buzzer
DXP1212030

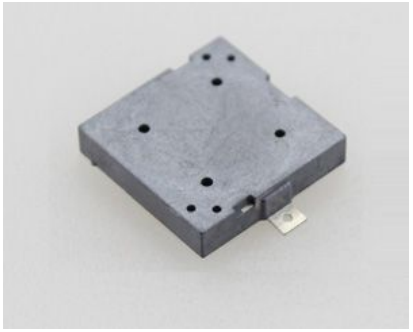


Model	DXP1212030
Rated Voltage	5 V
Operating Voltage	1-25 V
Sound Output at 10cm (dB)	78 dB
Current consumption	3 mA
Operating Temperature (℃)	-20~+70 ℃
Storage Temperature (℃)	-30~+80 ℃

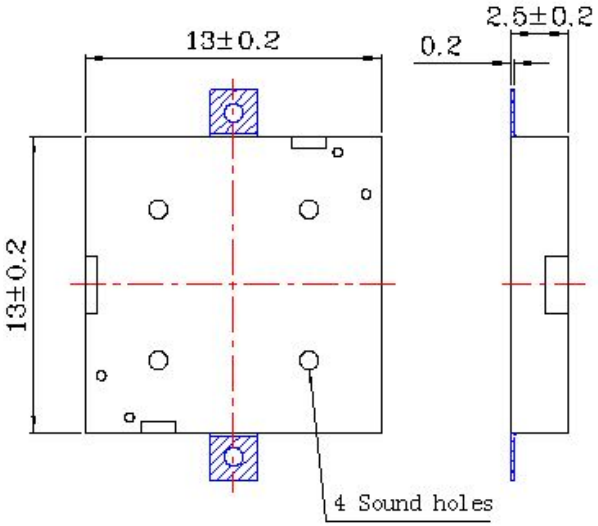


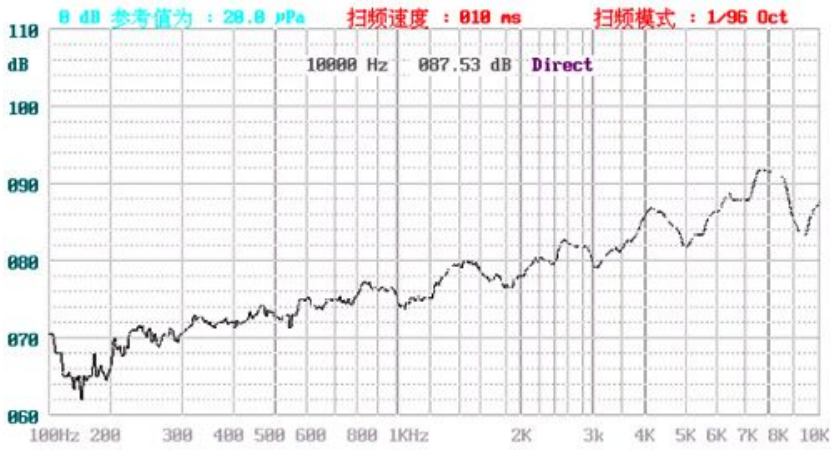


SMD Buzzer
DXP1313025

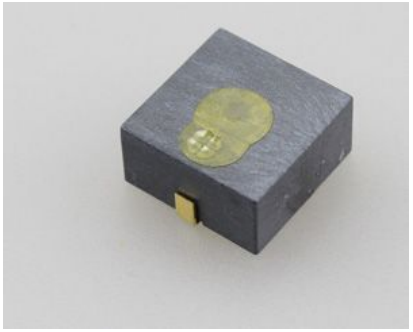


Model	DXP1313025
Rated Voltage	5 V
Operating Voltage	1-25 V
Sound Output at 10cm (dB)	75 dB
Current consumption	3 mA
Operating Temperature (℃)	-20~+70 ℃
Storage Temperature (℃)	-30~+80 ℃

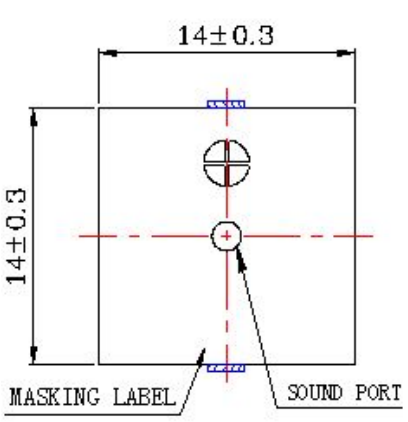


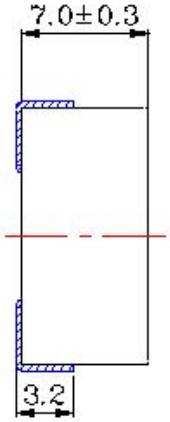


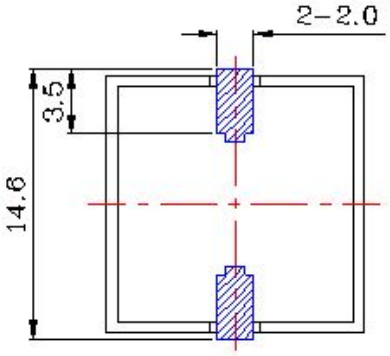
SMD Buzzer
DXP1414070

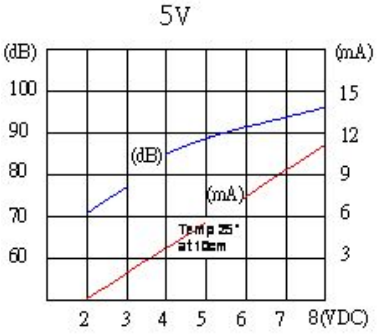


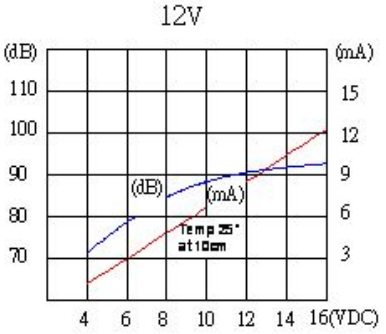
Model	DXP1414070(Self Drive)	
Rated Voltage	5 V	12 V
Operating Voltage	2-8 V	3-16 V
Sound Output at 10cm (dB)	83 dB	85 dB
Current consumption	8 mA	8 mA
Operating Temperature (℃)	-40~+85 ℃	-40~+85 ℃
Storage Temperature (℃)	-40~+90 ℃	-40~+90 ℃





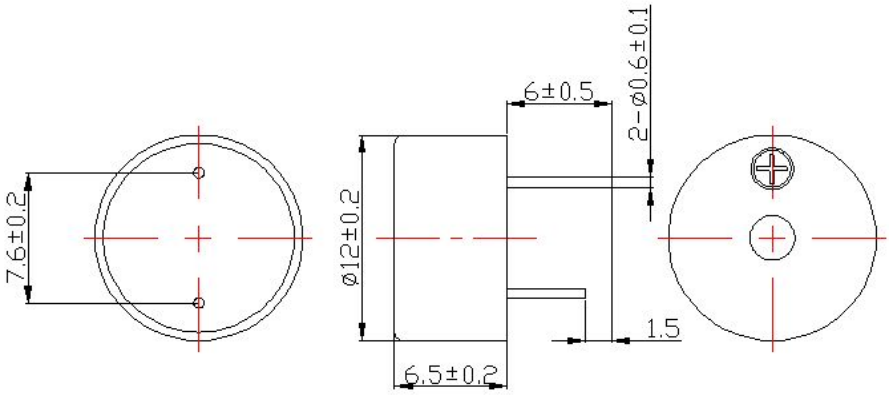


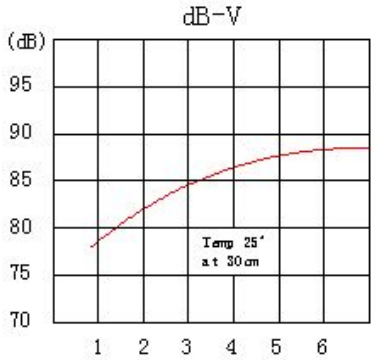


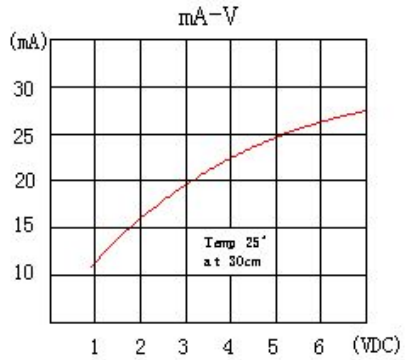


Magnetic Buzzer
DX1265

Model	DX1265(Self Drive)
Rated Voltage	5 V
Operating Voltage	3-7 V
Sound Output at 10cm (dB)	85 dB
Current consumption	30 mA
Operating Temperature (℃)	-20~+60 ℃
Storage Temperature (℃)	-30~+70 ℃

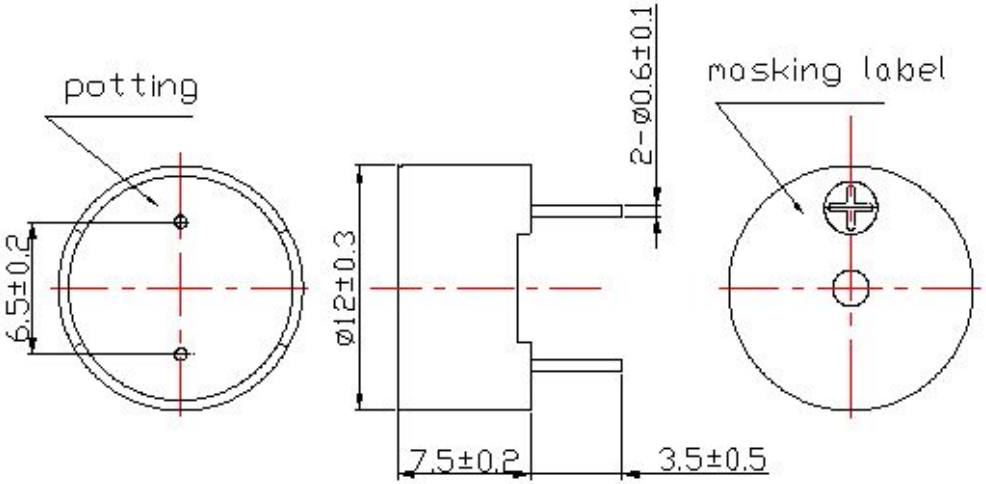


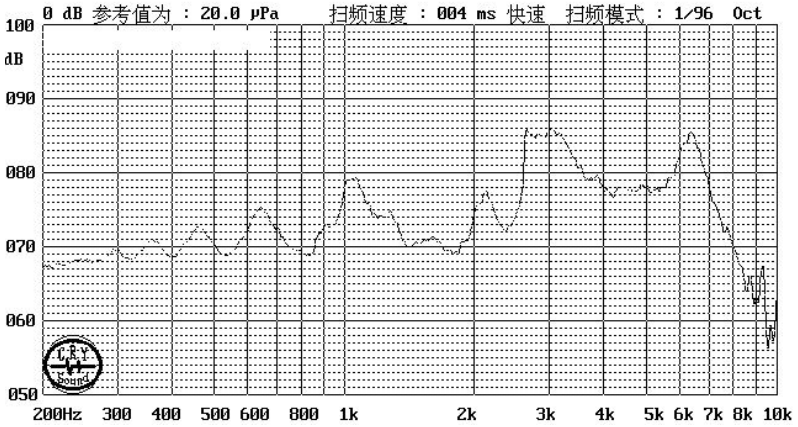




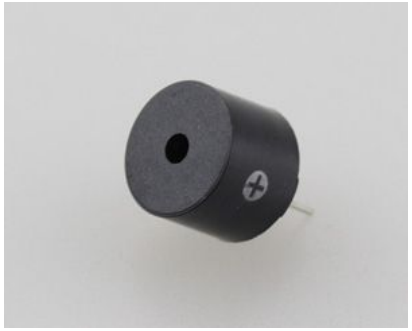
Magnetic Buzzer DX1275

Model	DX1275(self drive)
Rated Voltage	5 V
Operating Voltage	3-7 V
Sound Output at 10cm (dB)	85 dB
Current consumption	60 mA
Operating Temperature (℃)	-20~+60 ℃
Storage Temperature (℃)	-30~+70 ℃

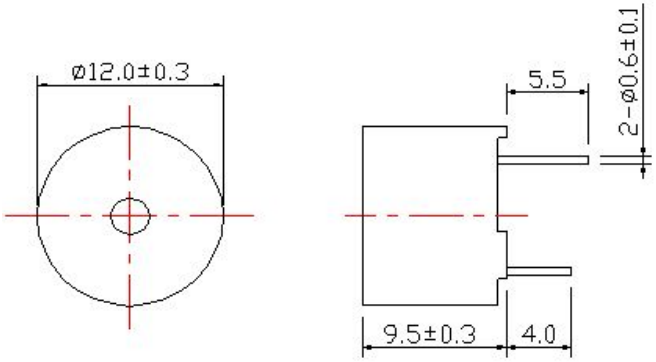


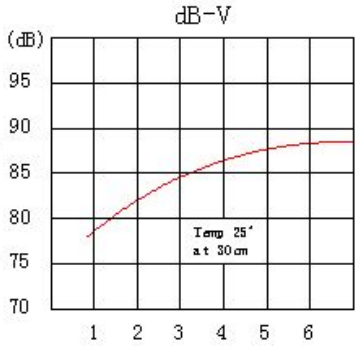


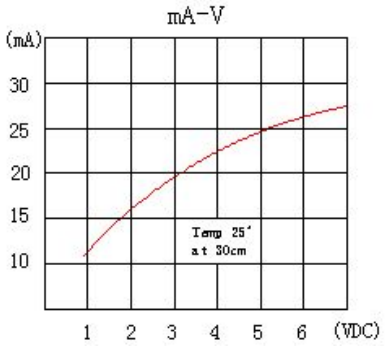
Magnetic Buzzer DX1295



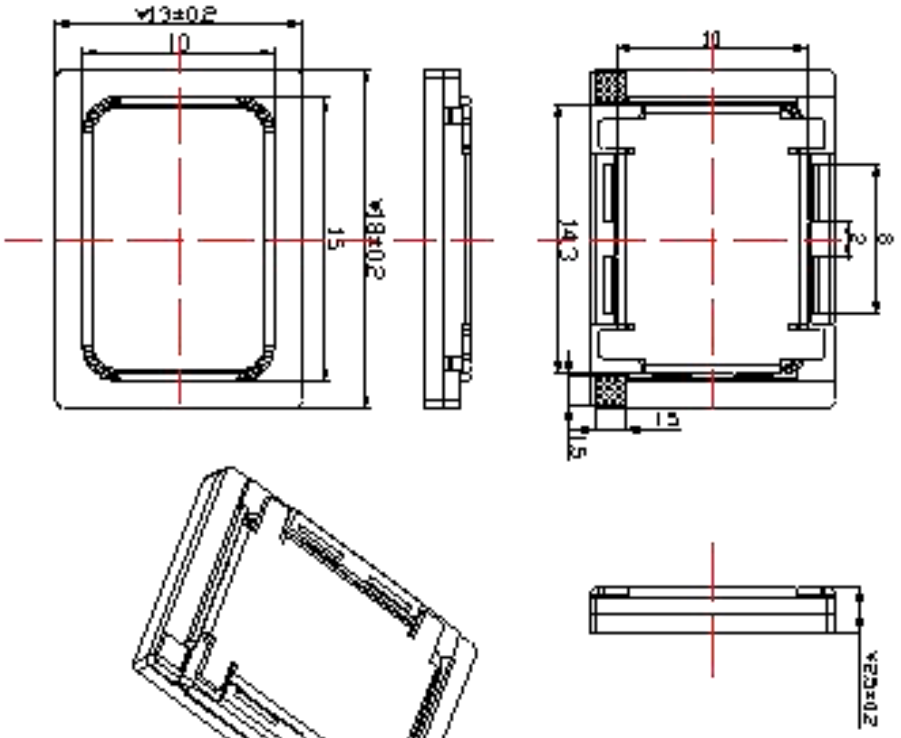
Model	DX1295（Self Drive） （Self Drive）		
Rated Voltage	5 V	12 V	24 V
Operating Voltage	3-7 V	8-15 V	18-28 V
Sound Output at 10cm (dB)	85 dB	85 dB	85 dB
Current consumption	30 mA	30 mA	30 mA
Operating Temperature (℃)	-20~+70℃	-20~+70℃	-20~+70℃
Storage Temperature (℃)	-30~+80℃	-30~+80℃	-30~+80℃

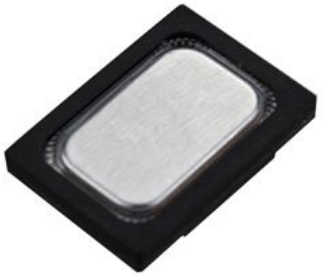


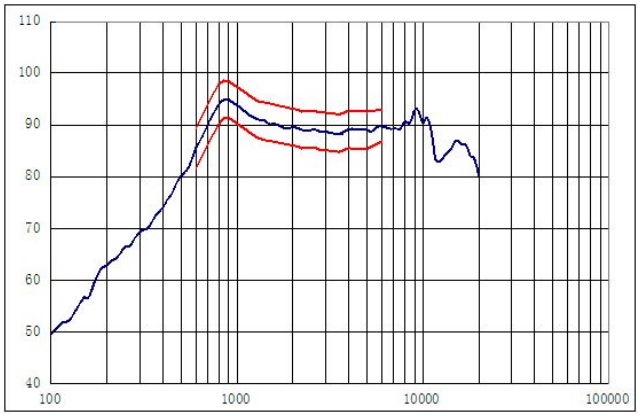




Mobilephone Speaker
DX131825

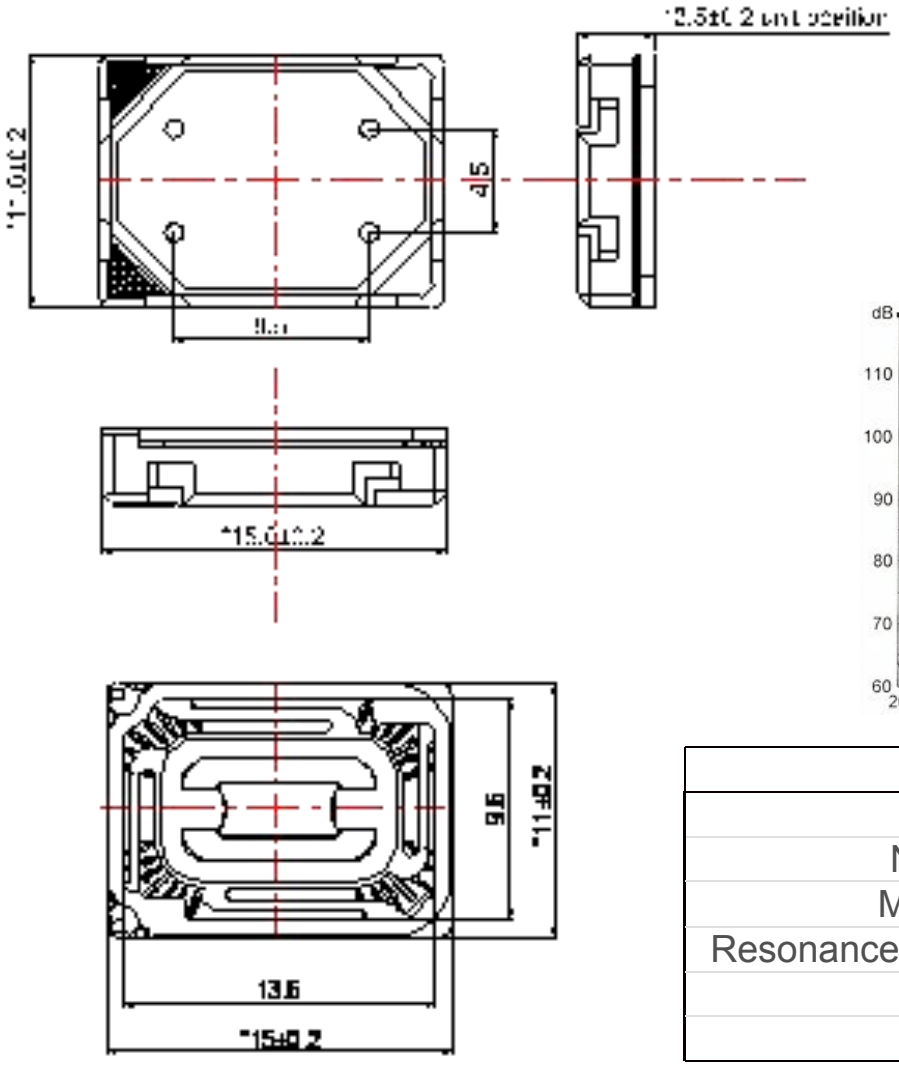


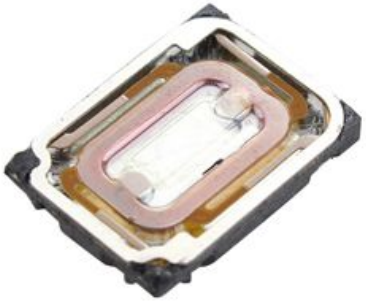


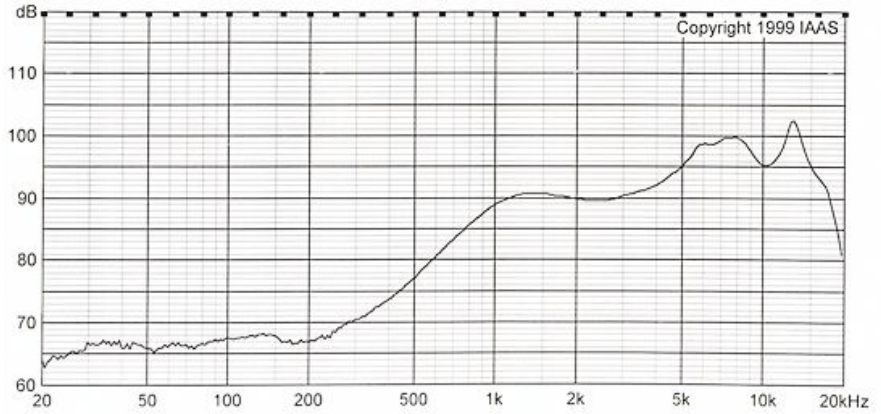


Model	DX131825
Impedance	8 ohm
Nominal Power	0.5w
Maximum Power	0.8w
Resonance Frequency（Fo） （Fo）	400Hz
Response:	Fo~20KHz
S.P.L:	90±3dB/W/M

Mobilephone Speaker
DX151125

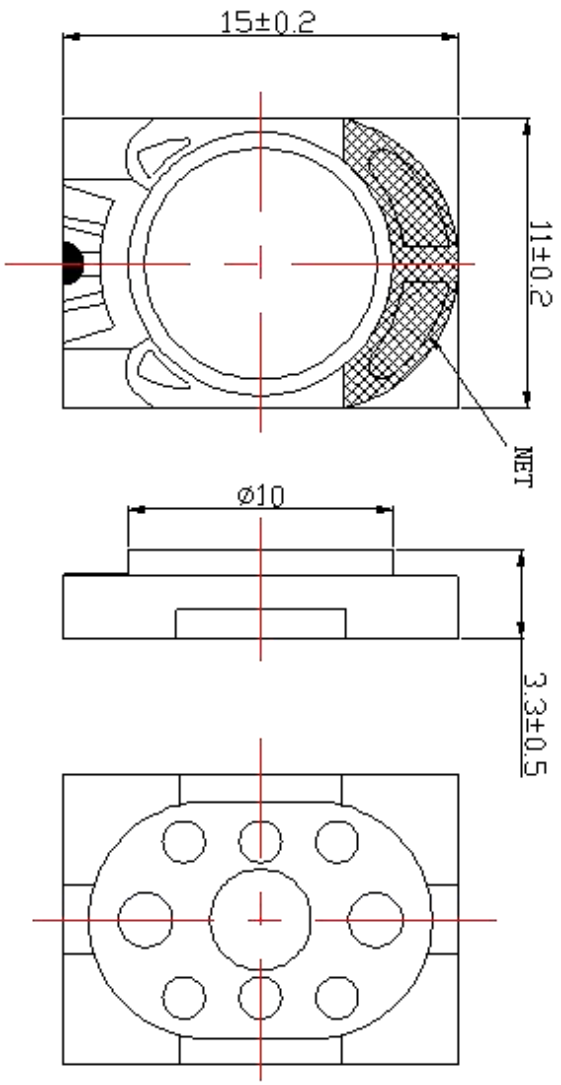






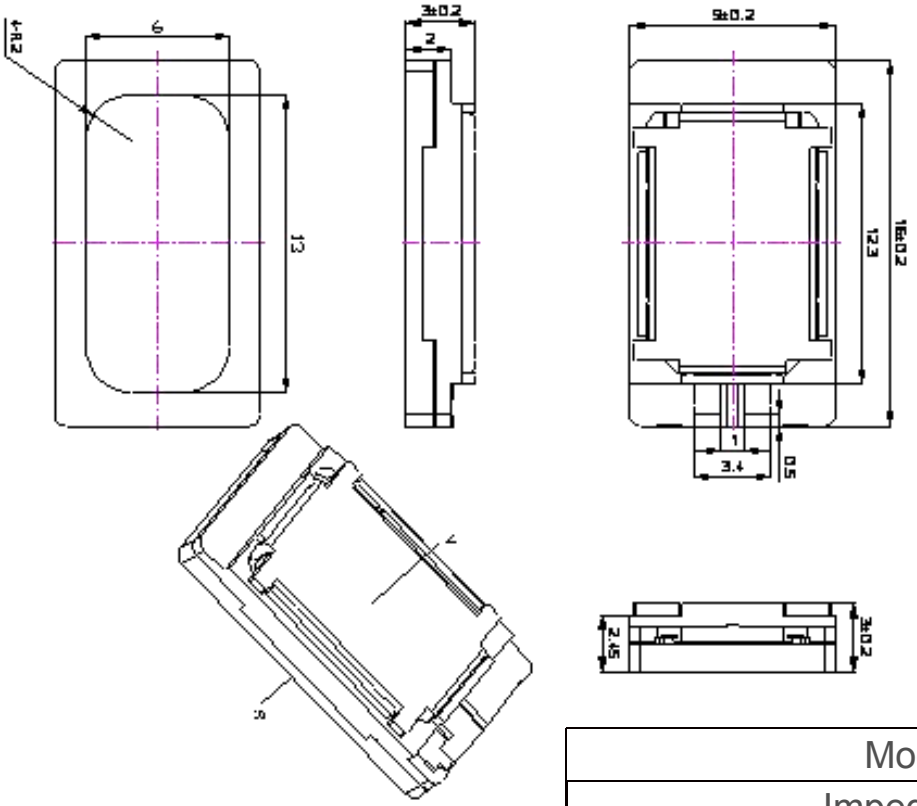
Model	DX151125
Impedance	6 ohm
Nominal Power	0.7w
Maximum Power	0.8w
Resonance Frequency（Fo）（Fo）	550Hz
Response:	Fo~20KHz
S.P.L:	92±3dB/W/M

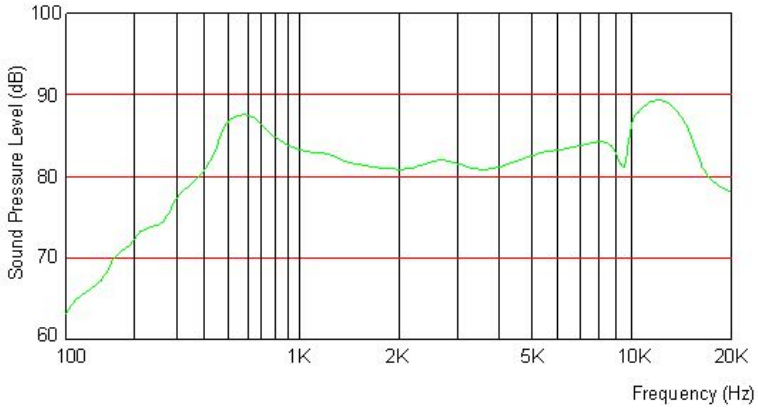
Mobilephone Speaker
DX151133



Model	DX151133
Impedance	8 ohm
Nominal Power	0.5w
Maximum Power	0.8w
Resonance Frequency（Fo）（Fo）	1000Hz
Response:	Fo~10KHz
S.P.L:	81±3dB/W/M

Mobilephone Speaker
DX160934

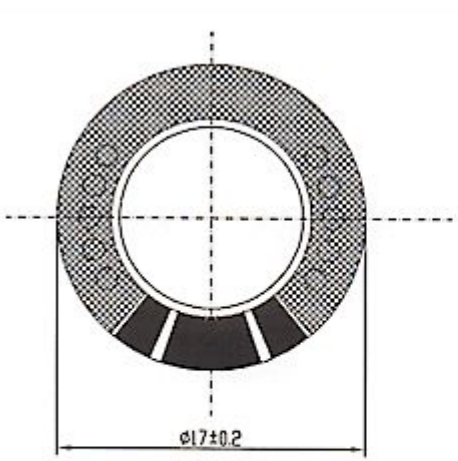


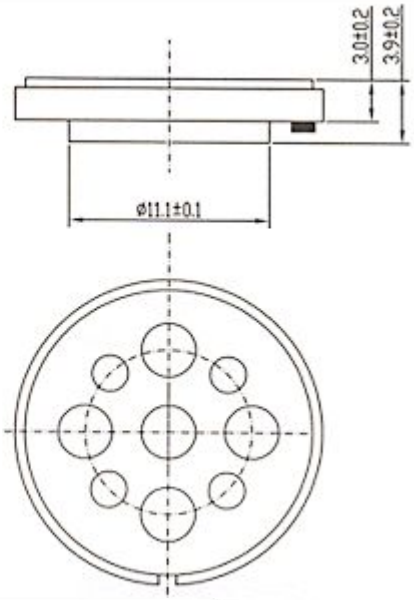


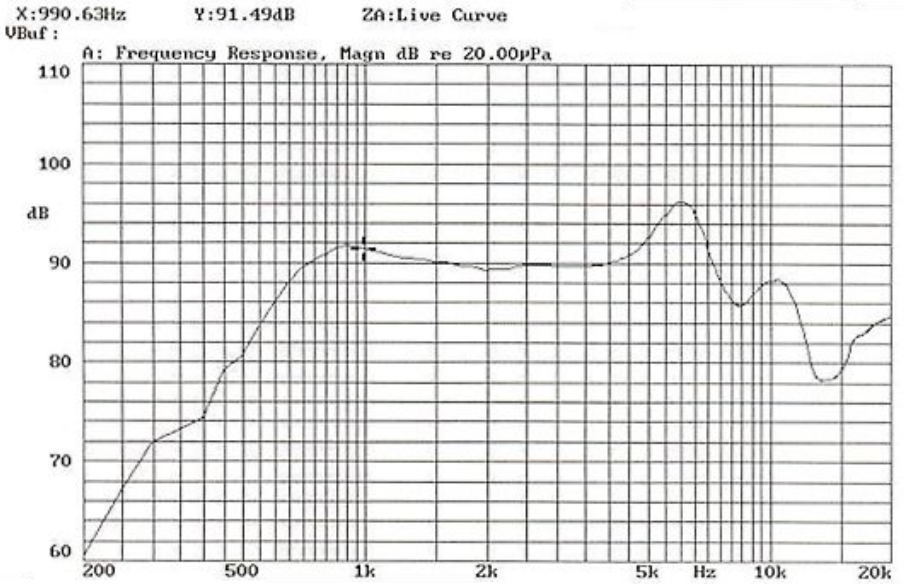
Model	DX160934
Impedance	8 ohm
Nominal Power	0.8w
Maximum Power	1.0w
Resonance Frequency（Fo）（Fo）	550Hz
Response:	Fo~20KHz
S.P.L:	89±3dB/W/M

Mobilephone Speaker
DXP17N-A-H

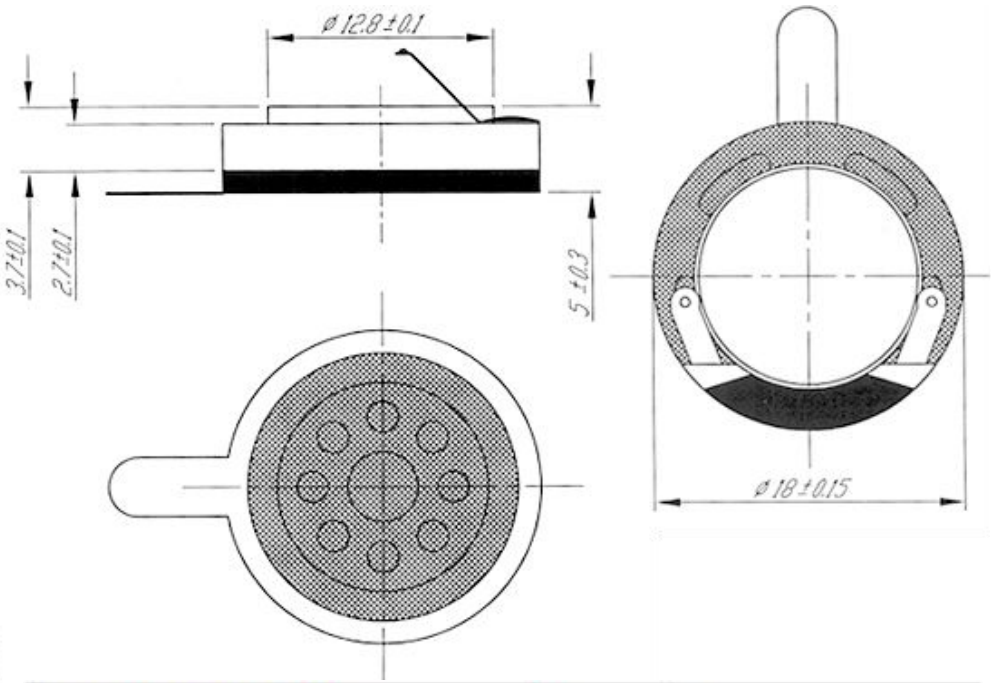
Rated Impedance	Ω	8
Rated Power	W	0.5
Max Power	W	0.8
Resonance Frequency(Fo)	Hz	800
Rated Freq. Range	Hz	Fo~5000
Sound Pressure Level	dB	92±3
Crust		
Height	mm	

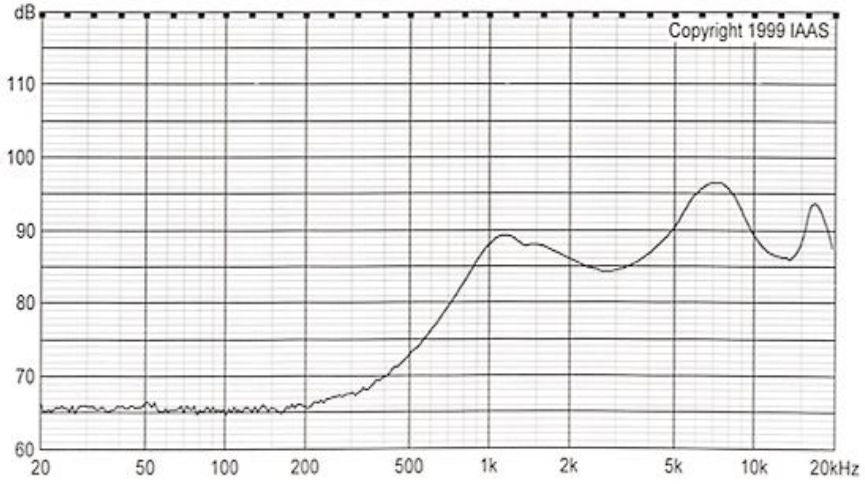






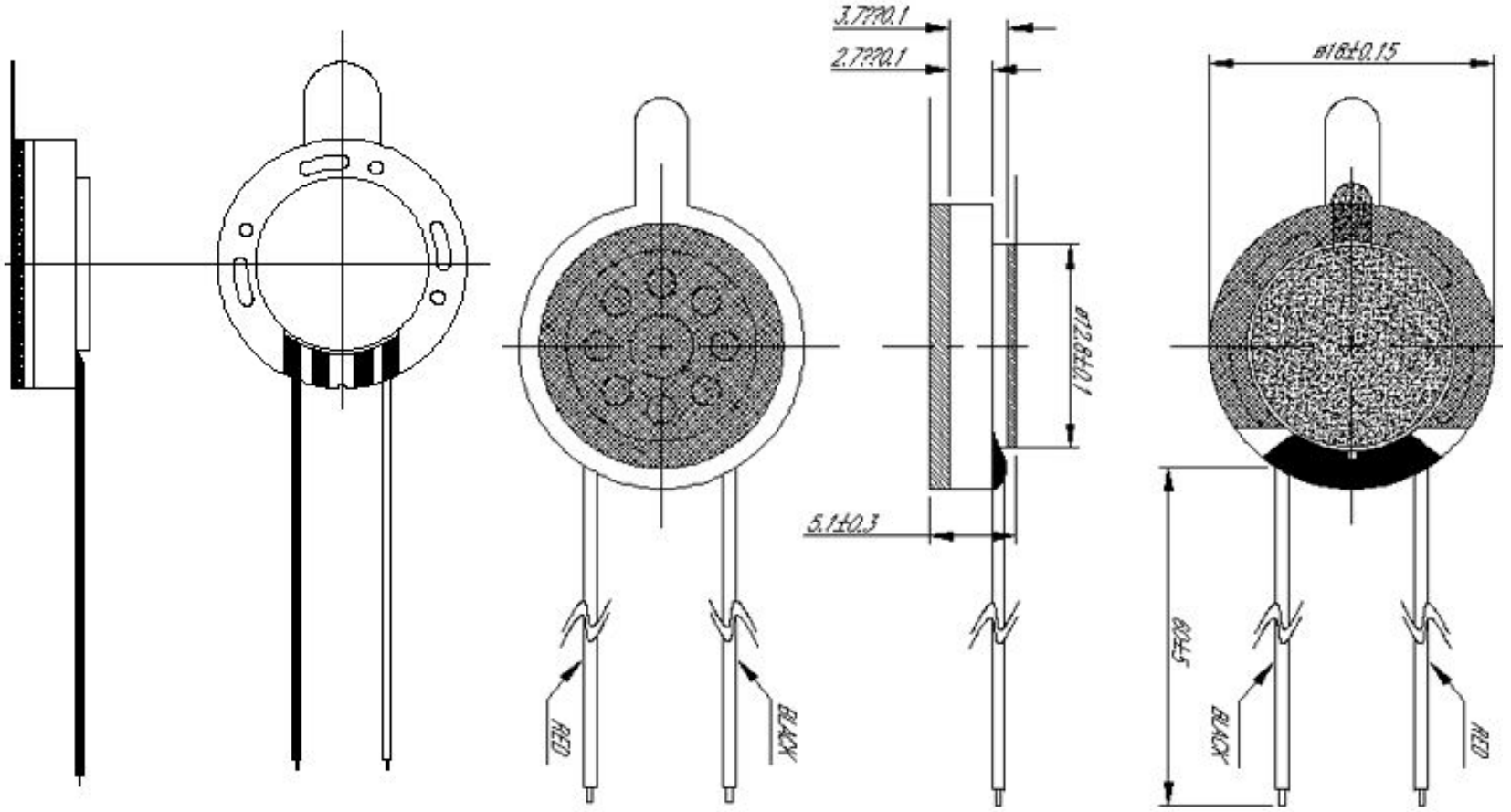
Mobilephone Speaker
DXP18N-A





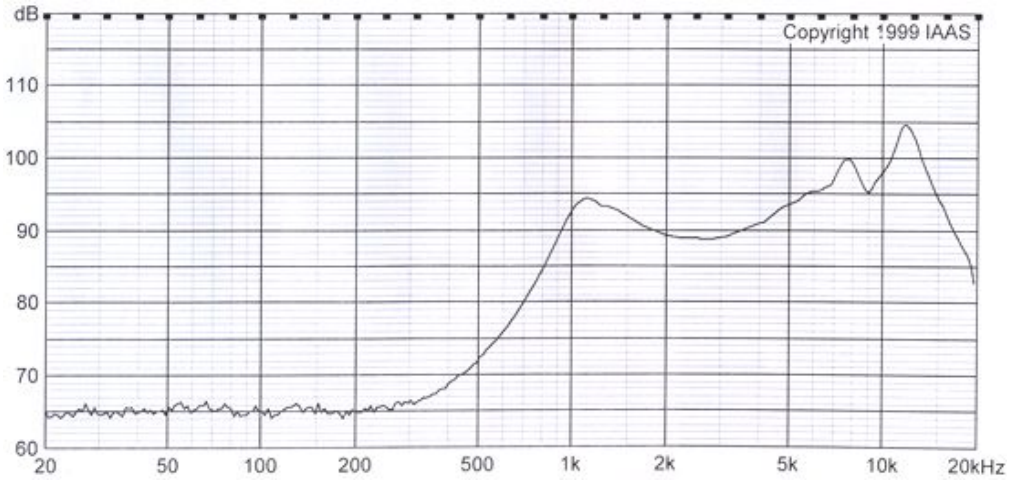
Rated Impedance	Ω	8
Rated Power	W	0.8
Max Power	W	1.0
Resonance Frequency(Fo)	Hz	850
Rated Freq. Range	Hz	Fo~10000
Sound Pressure Level	dB	87±3

Mobilephone Speaker
DXP18N-B-H

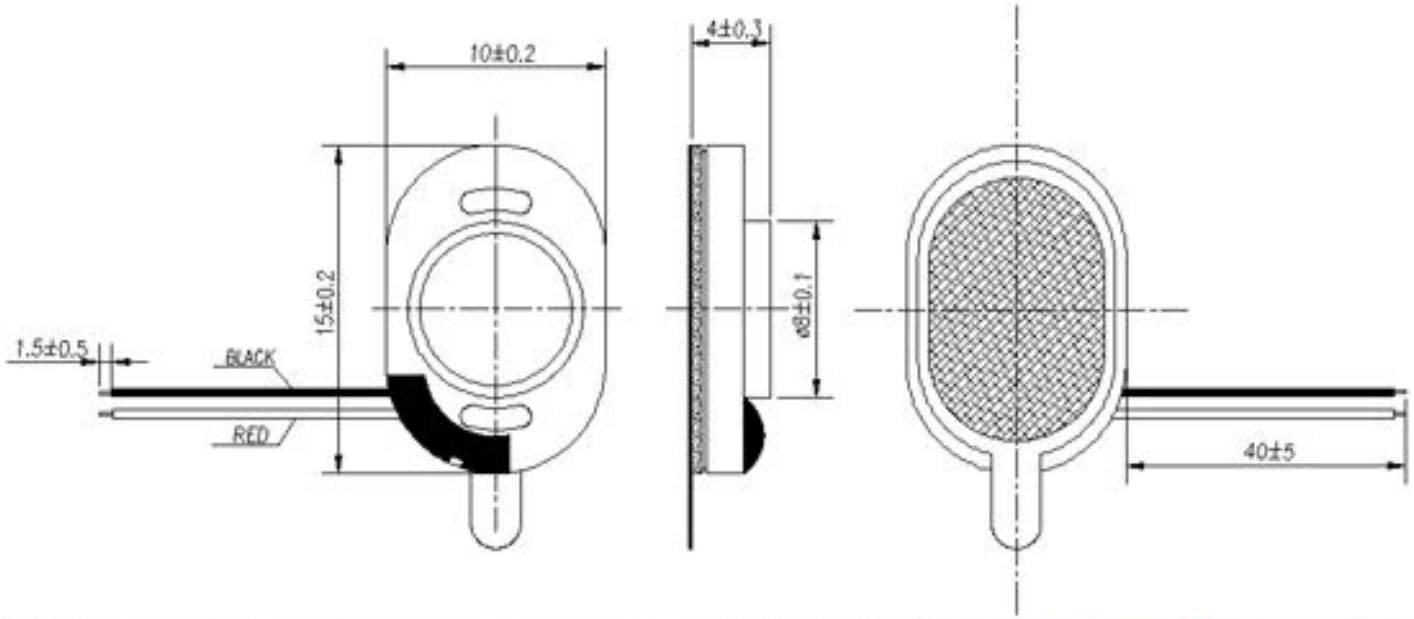


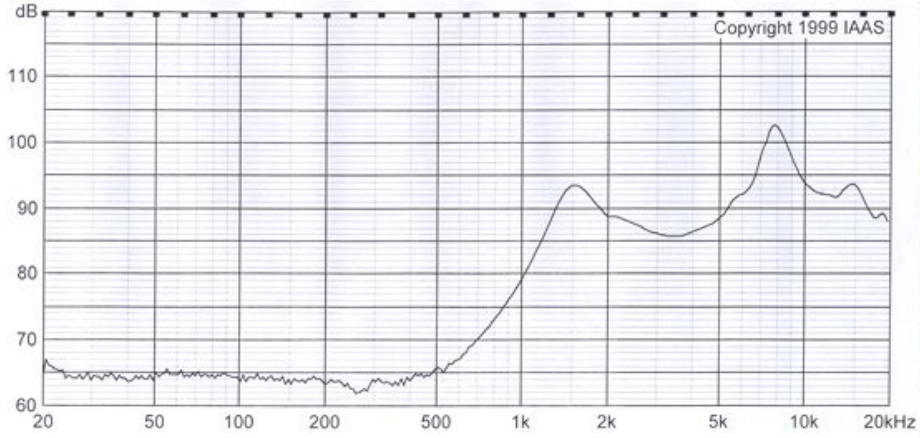
Mobilephone Speaker DXP18N-B-H

Rated Impedance	Ω	8±15%
Rated Power	W	0.8
Max Power	W	Must be normal at 1.0W white noise for 1 minute
Resonance Frequency(Fo)	Hz	1000±20%
Rated Freq. Range	Hz	F0～20K
Sound Pressure Level	dB	91±3



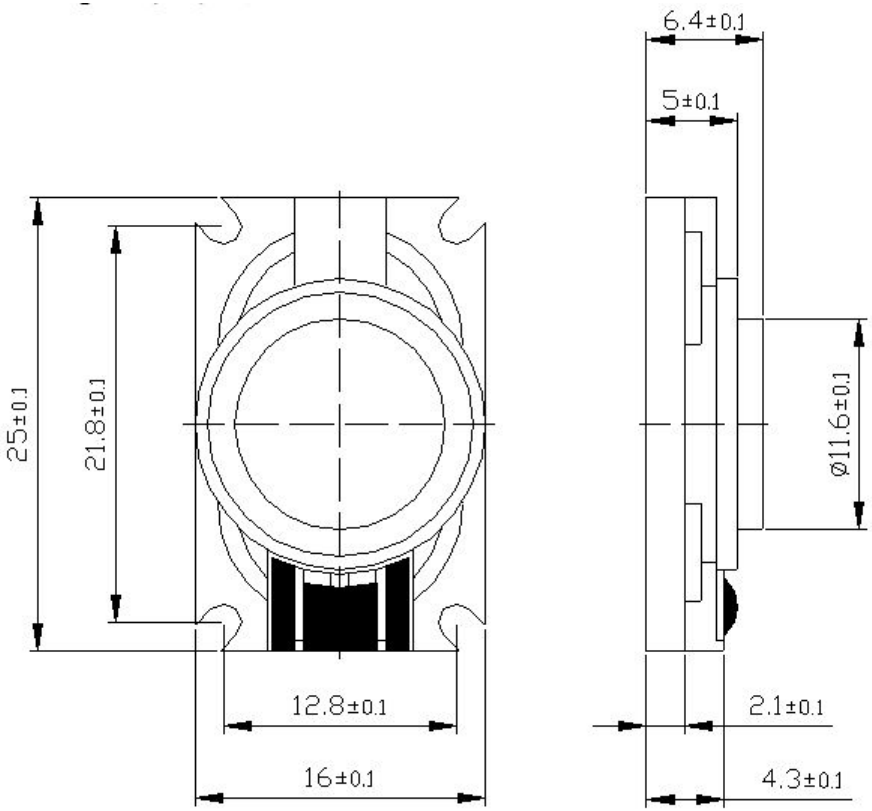
Mobilephone Speaker
DXP1510N-A-H





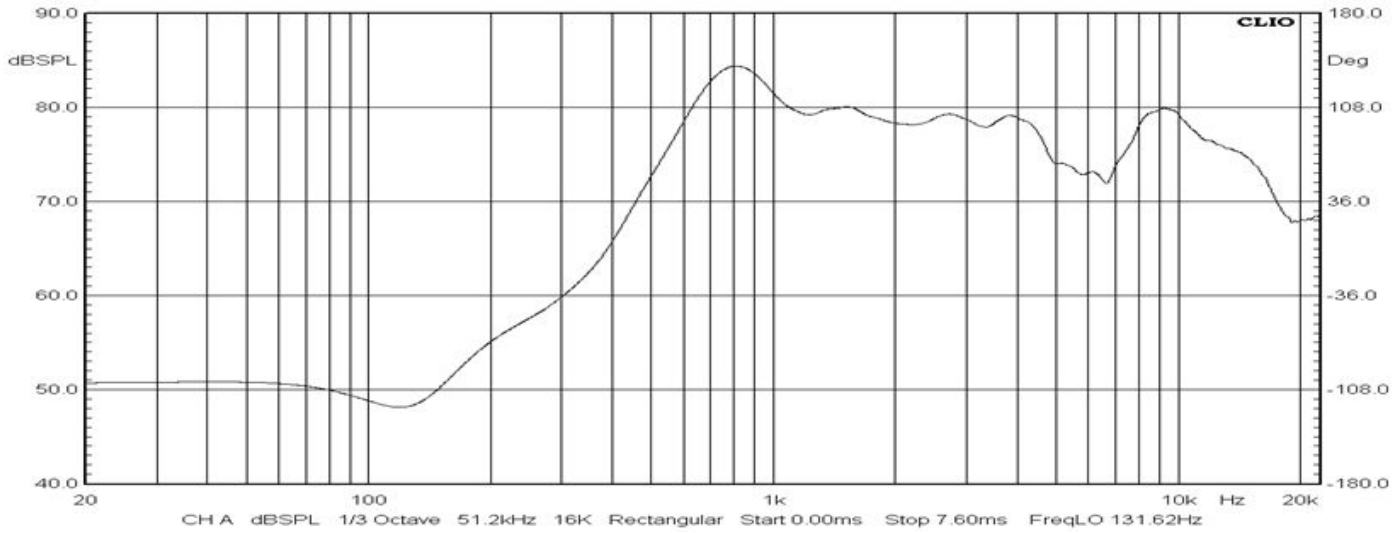
Rated Impedance	Ω	8±15%
Rated Power	W	0.6
Max Power	W	0.8
Resonance Frequency(Fo)	Hz	1350±20%
Rated Freq. Range	Hz	F0～5K
Sound Pressure Level	dB	92±3

Tablet&Laptop Speaker
DXP1625-1-8W

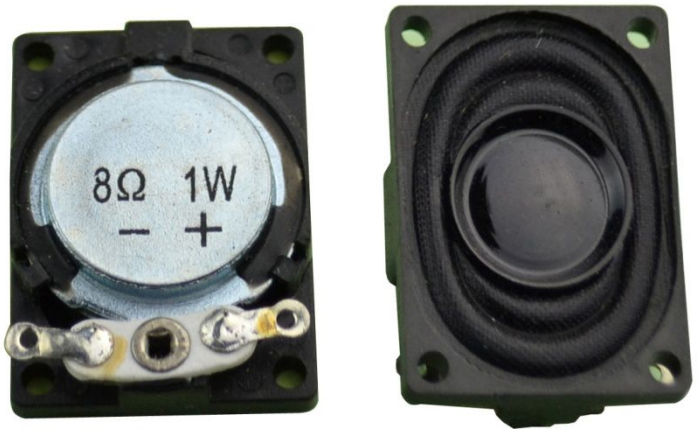


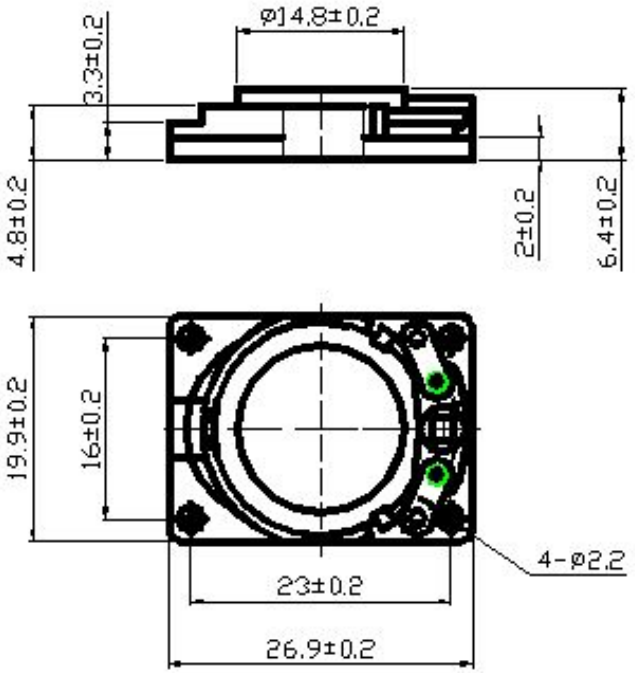
Tablet&Laptop Speaker DXP1625-1-8W

Type	Unit	DXP1625-1-8W
Rated Impedance	Ω	8
Rated Power	W	1
Max Power	W	1.5
Resonance Frequency	Hz	800±20%Hz @ 1V
Rated Freq. Range	Hz	800~10KHz
Sound Pressure Level	dB	82±3dB SPL（Average at 800Hz,1000Hz,1200Hz,1500Hz）
Crust		ABS
Height	mm	6.4



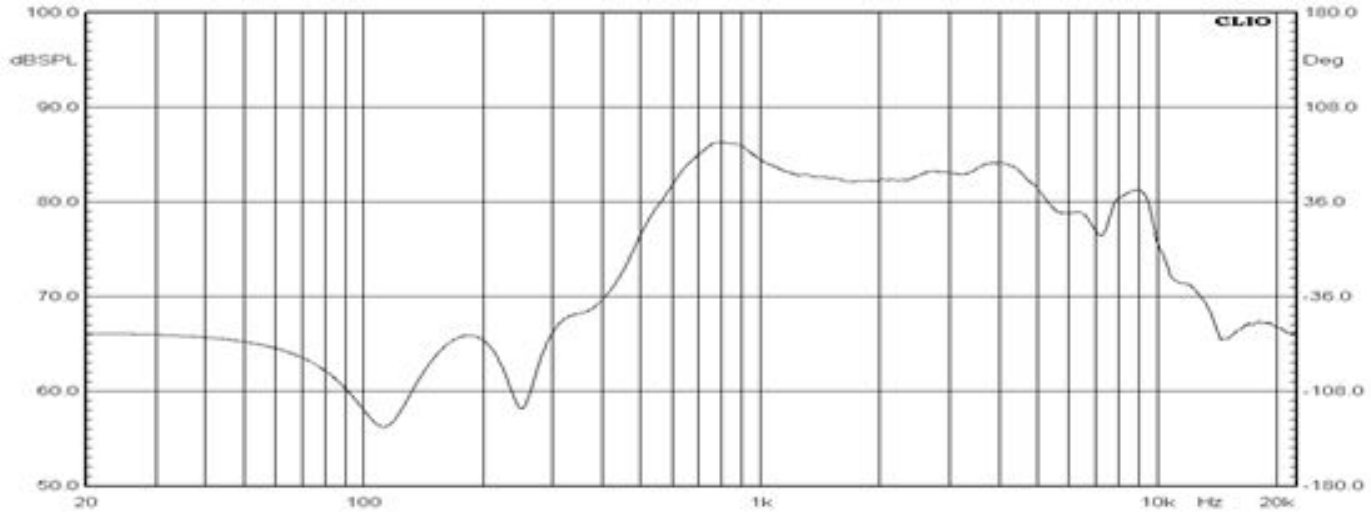
PC&DVD Speaker
DXP2027-1-8W



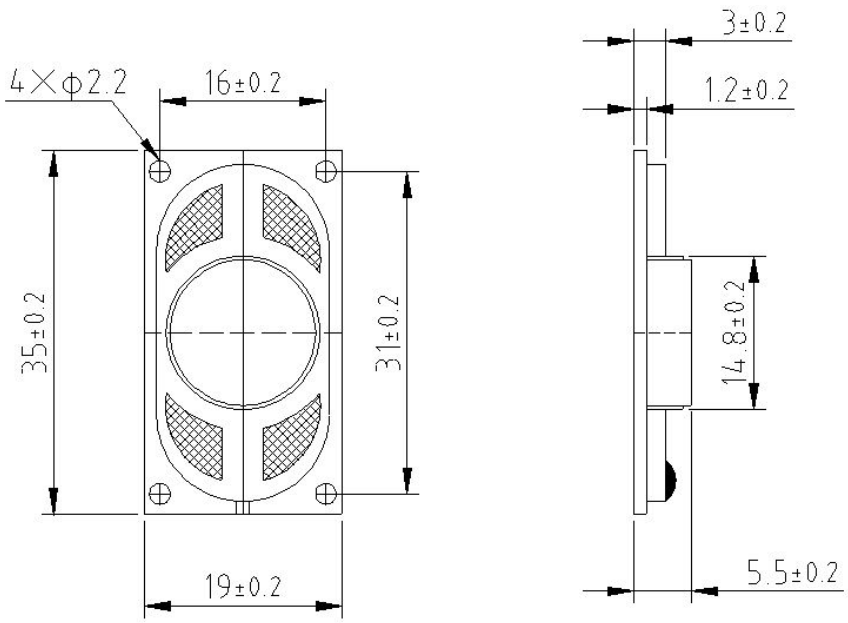


Tablet&Laptop Speaker DXP2027-2-8W

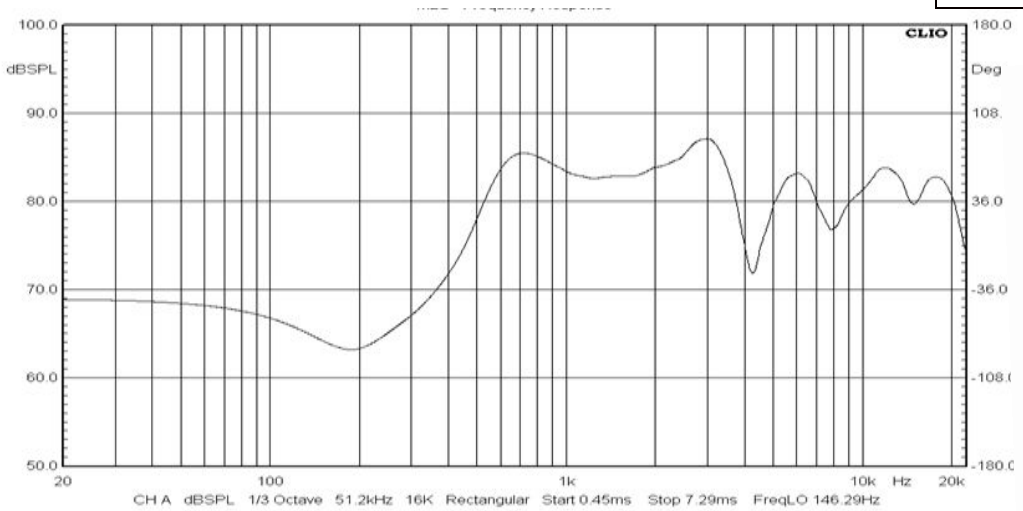
Type	Unit	DXP2027-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1
Max Power	W	1.5
Resonance Frequency	Hz	700±20%Hz @ 1V
Rated Freq. Range	Hz	700~20KHz
Sound Pressure Level	dB	83±3dB SPL（Average at 800Hz,1000Hz,1200Hz,1500Hz）
Crust		ABS
Height	mm	5.5



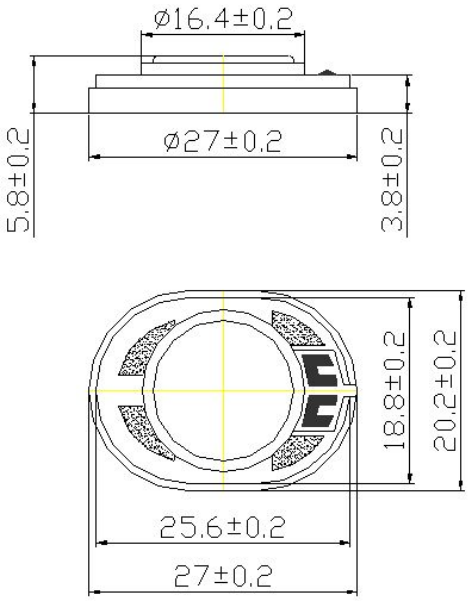
Tablet&Laptop Speaker
DXP1935-1-8W



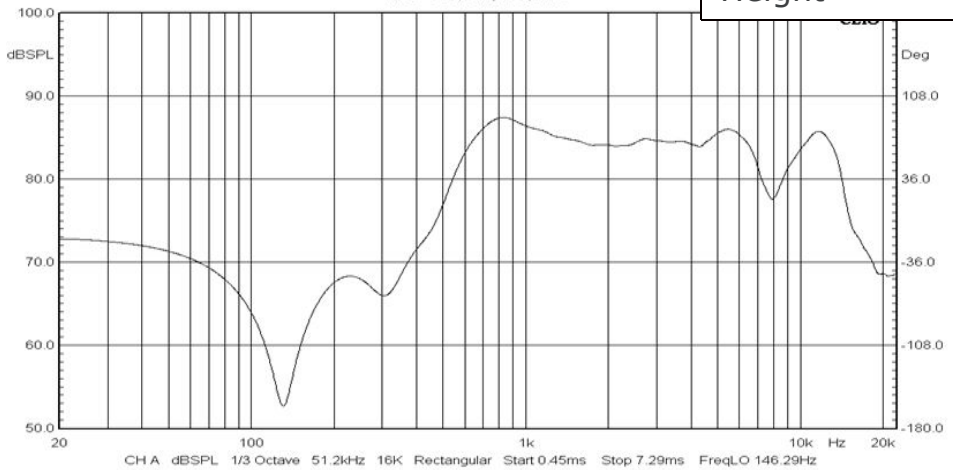
Type	Unit	DXP1935-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1.5
Max Power	W	2
Resonance Frequency	Hz	800±20%Hz @ 1V.
Rated Freq. Range	Hz	800~20KHz
Sound Pressure Level	dB	83±3dB SPL (Average at 800Hz,1000Hz, 1 200Hz,1500Hz)
Crust		ABS
Height	mm	5.5



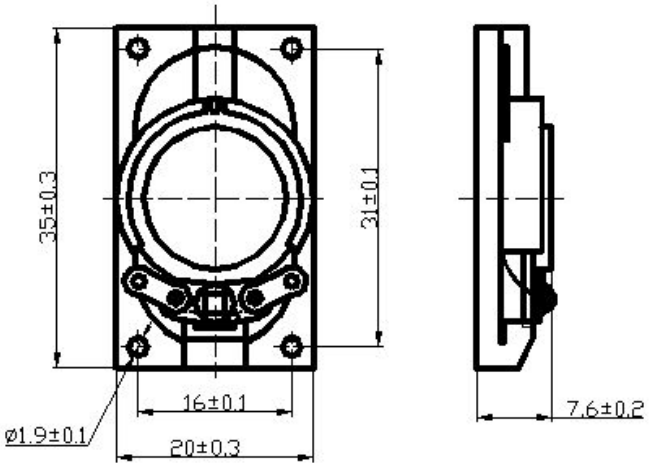
Tablet&Laptop Speaker
DXP2027-2-8W



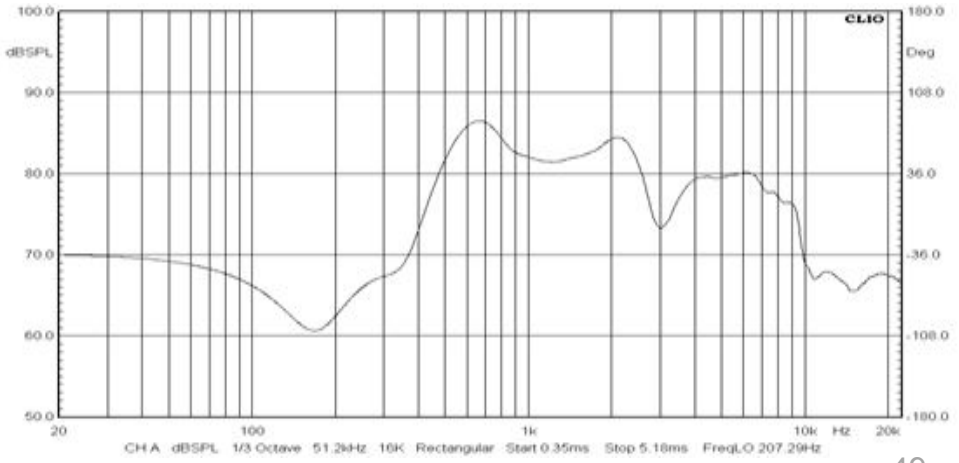
Type	Unit	DXP2027-2-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1
Max Power	W	1.5
Resonance Frequency	Hz	700±20%Hz @ 1V
Rated Freq. Range	Hz	700~20KHz
Sound Pressure Level	dB	83±3dB SPL（Average at 800Hz,1000Hz,1200Hz,1500Hz）
Crust		ABS
Height	mm	5.8



Tablet&Laptop Speaker DXP2035-1-8W

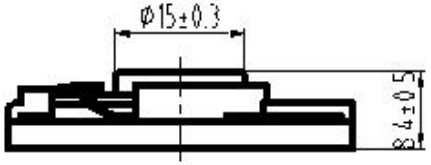


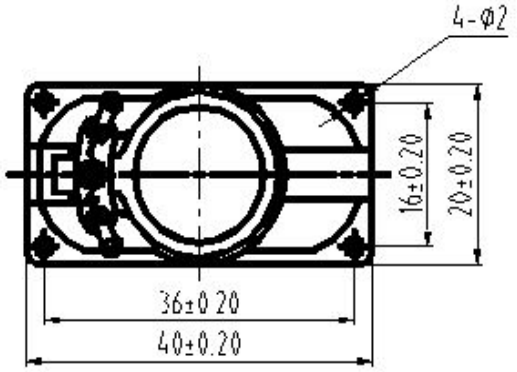
Type	Unit	DXP2035-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1.5
Max Power	W	2
Resonance Frequency	Hz	700±20%Hz @ 1V
Rated Freq. Range	Hz	700~20KHz
Sound Pressure Level	dB	85±3dB SPL（Average at 800Hz,1000Hz,1200Hz,1500Hz）
Crust		ABS
Height	mm	7.6

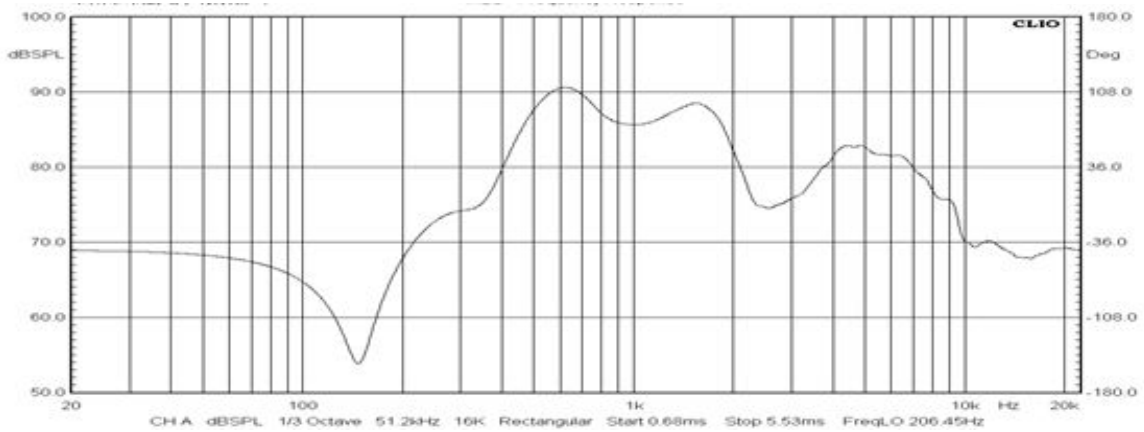


Tablet&Laptop Speaker DXP2040-1-8W

Type	Unit	DXP2040-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1
Max Power	W	1.5
Resonance Frequency	Hz	550±20%Hz @ 1V
Rated Freq. Range	Hz	550~20KHz
Sound Pressure Level	dB	85±3dB SPL（Average at 800Hz,1000Hz,1200Hz,1500Hz）
Crust		ABS
Height	mm	8.4

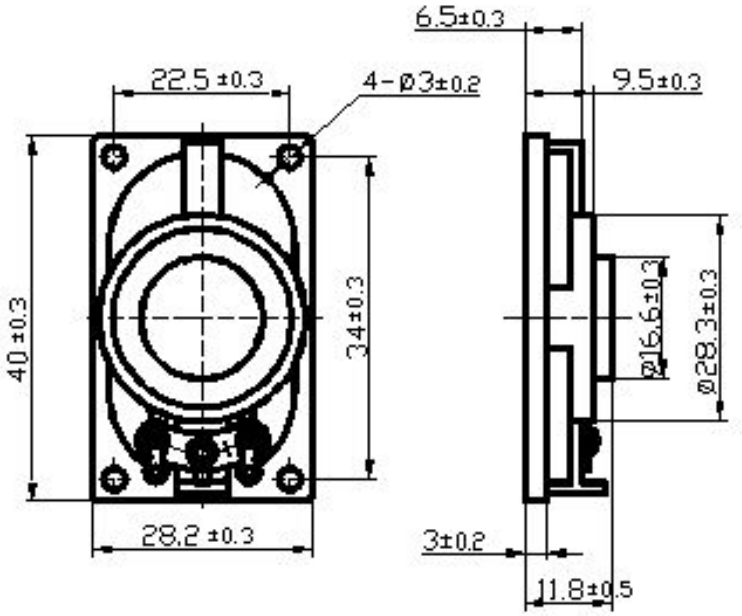


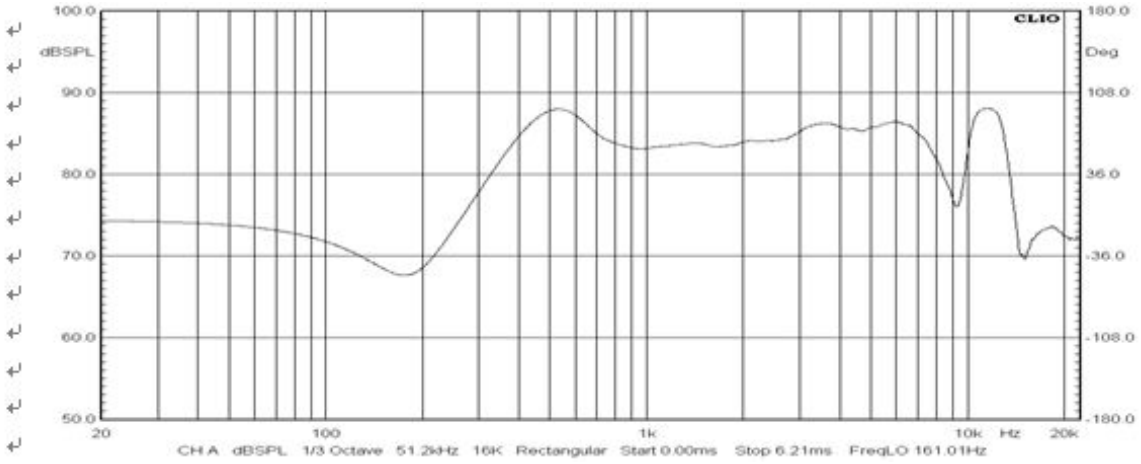




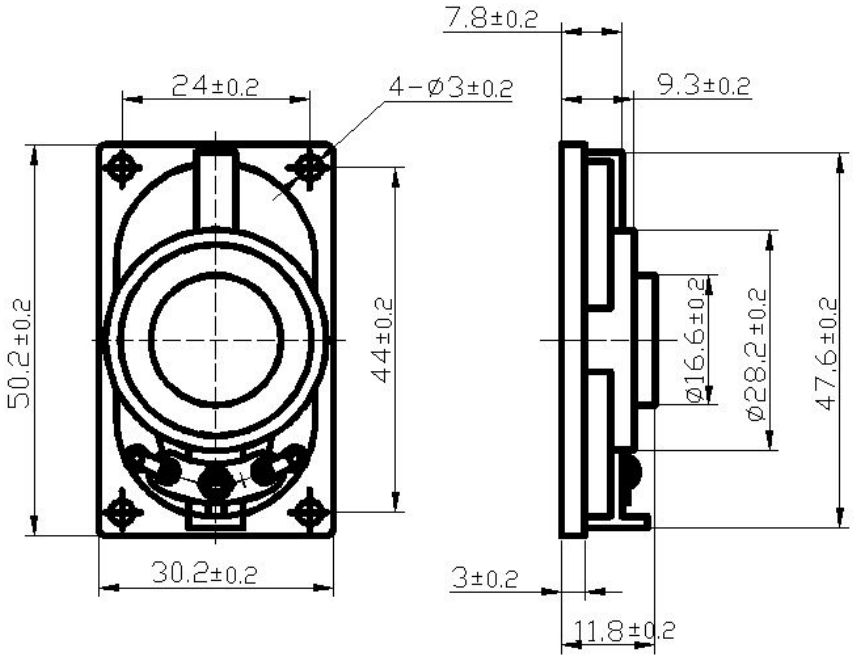
Tablet&Laptop Speaker DXP4028-1-8W

Type	Unit	DXP4028-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	2
Max Power	W	3
Resonance Frequency	Hz	550±20%Hz @ 1V
Rated Freq. Range	Hz	550~20KHz
Sound Pressure Level	dB	85±3dB SPL (Average at 800Hz,1000Hz,1200Hz,1500Hz)
Crust		ABS
Height	mm	11.8

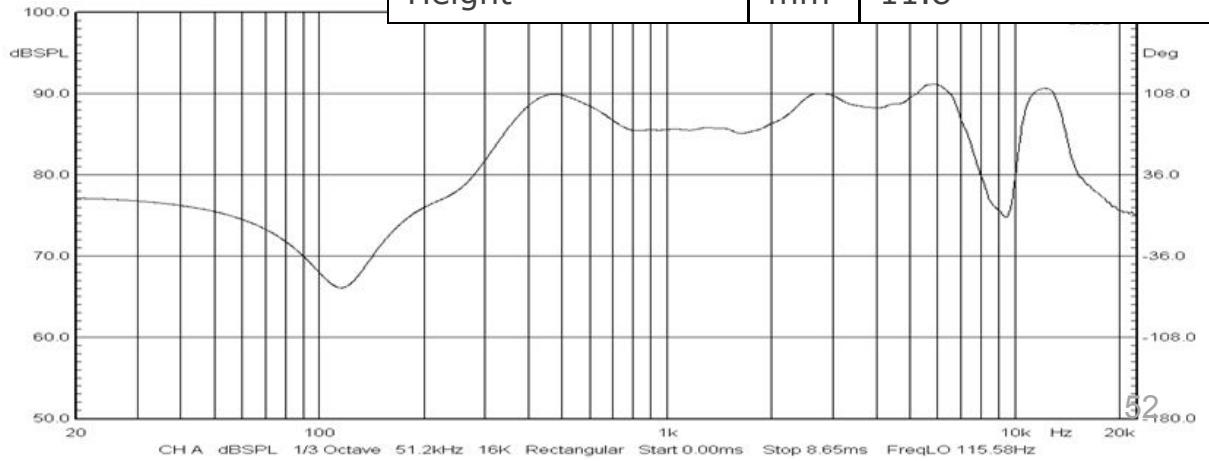




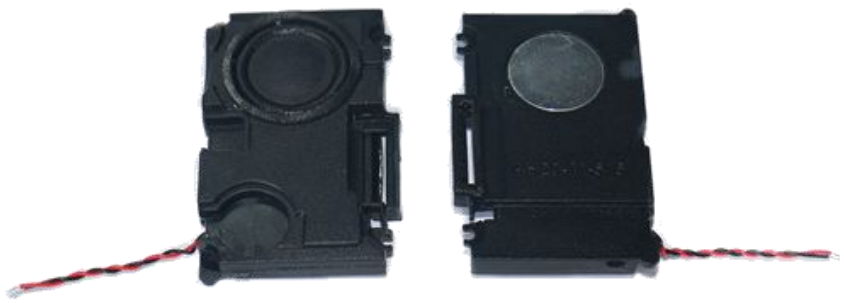
Tablet&Laptop Speaker
DXP5030-1-8W

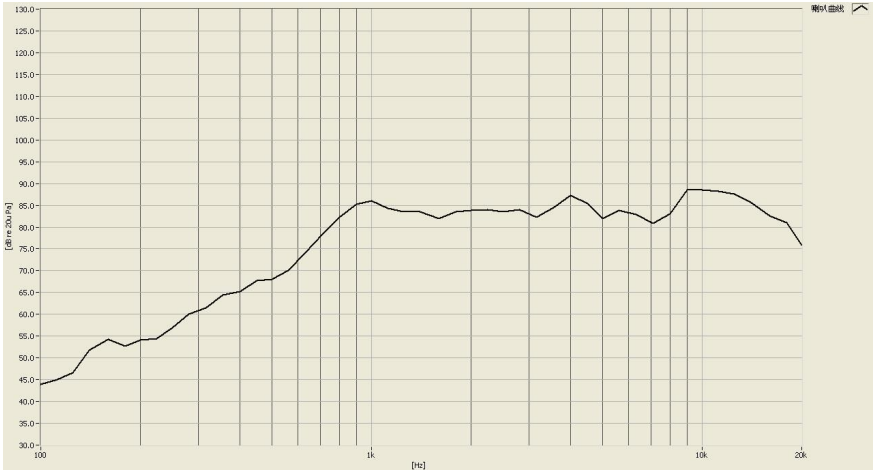


Type	Unit	DXP5030-1-8W
Rated Impedance	Ω	8±15%(@2KHz 1V) without baffler
Rated Power	W	1
Max Power	W	2
Resonance Frequency	Hz	450±20%Hz @ 1V
Rated Freq. Range	Hz	450~20KHz
Sound Pressure Level	dB	85±3dB SPL（Average at 800Hz,1000Hz,1200Hz, 1500Hz）
Crust		ABS
Height	mm	11.8



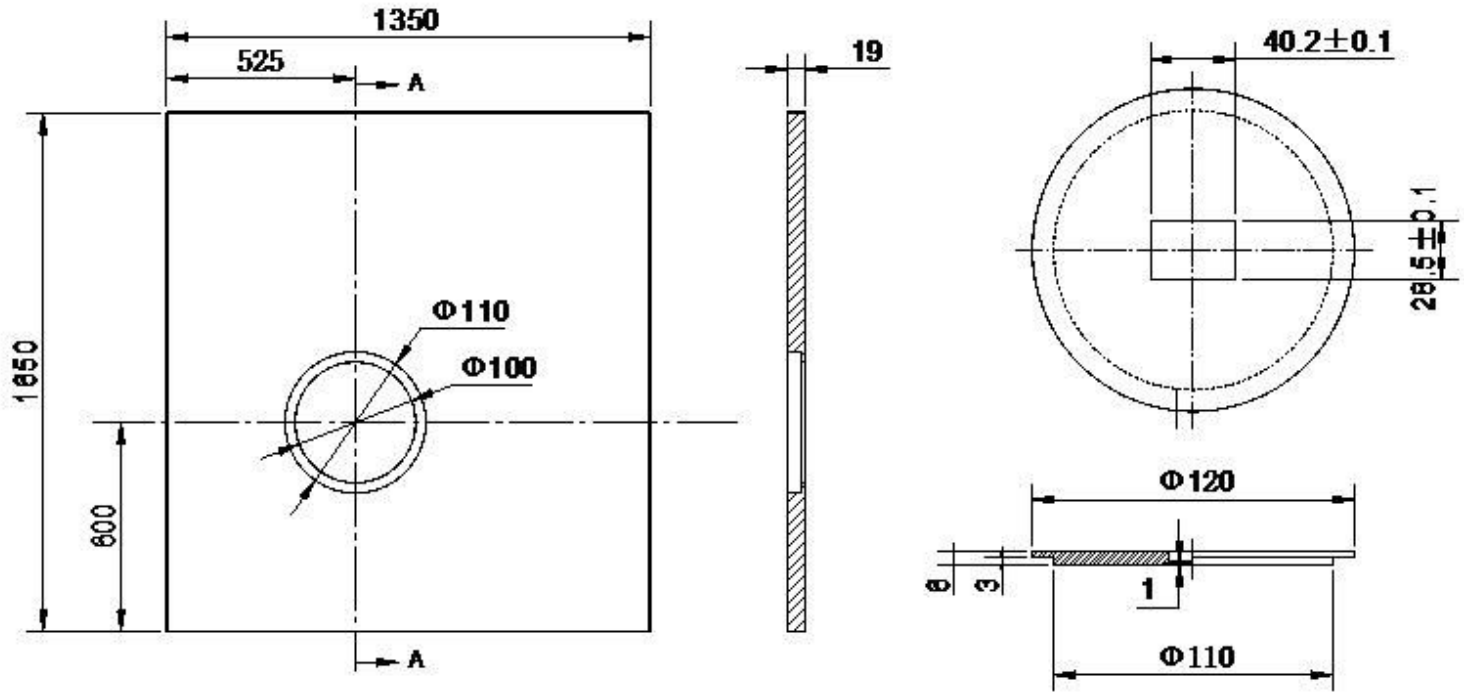
Tablet&Laptop Speaker AH20-11-515



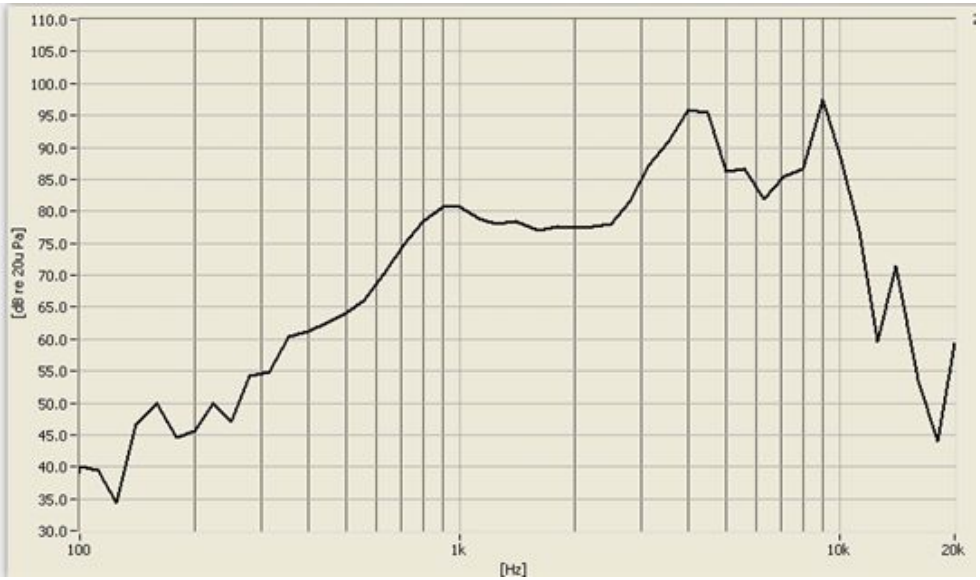


Model	AH20-11-515
Impedance	8 ohm
Nominal Power	1.2 w
Maximum Power	1.5 w
Resonance Frequency（Fo）（Fo）	850±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	85±3dB/W/M

Tablet&Laptop Speaker
AH20-11-515

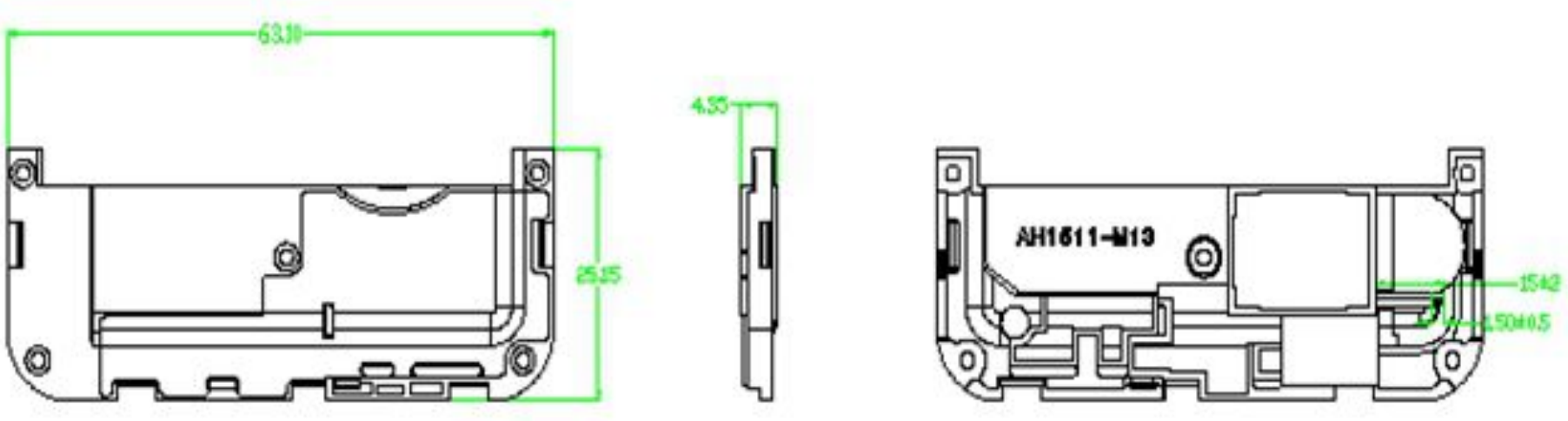


Tablet&Laptop Speaker AH1511-M13

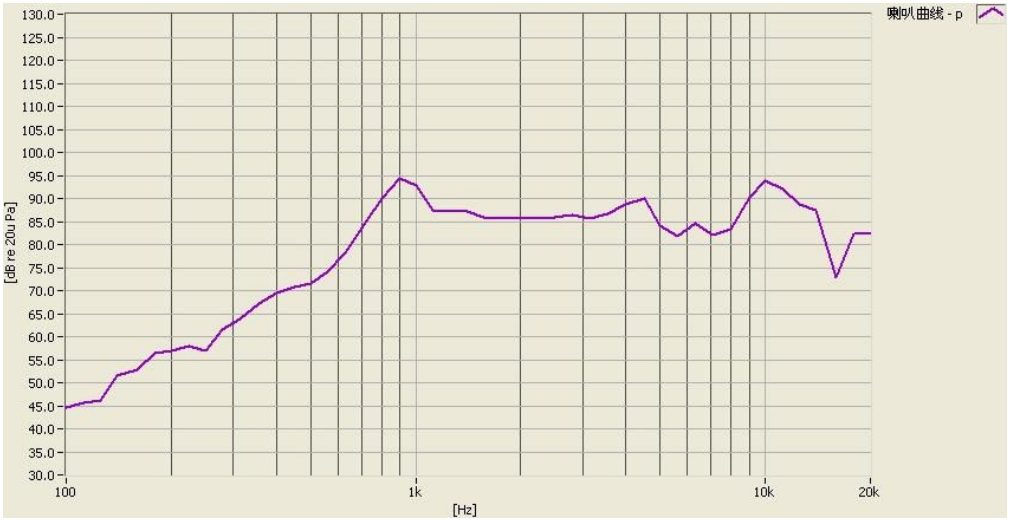


Model	AH1511-M13
Impedance	8 ohm
Nominal Power	0.7 w
Maximum Power	1.0 w
Resonance Frequency（Fo）（Fo）	900±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	83±3dB/W/M

Tablet&Laptop Speaker
AH1511-M13

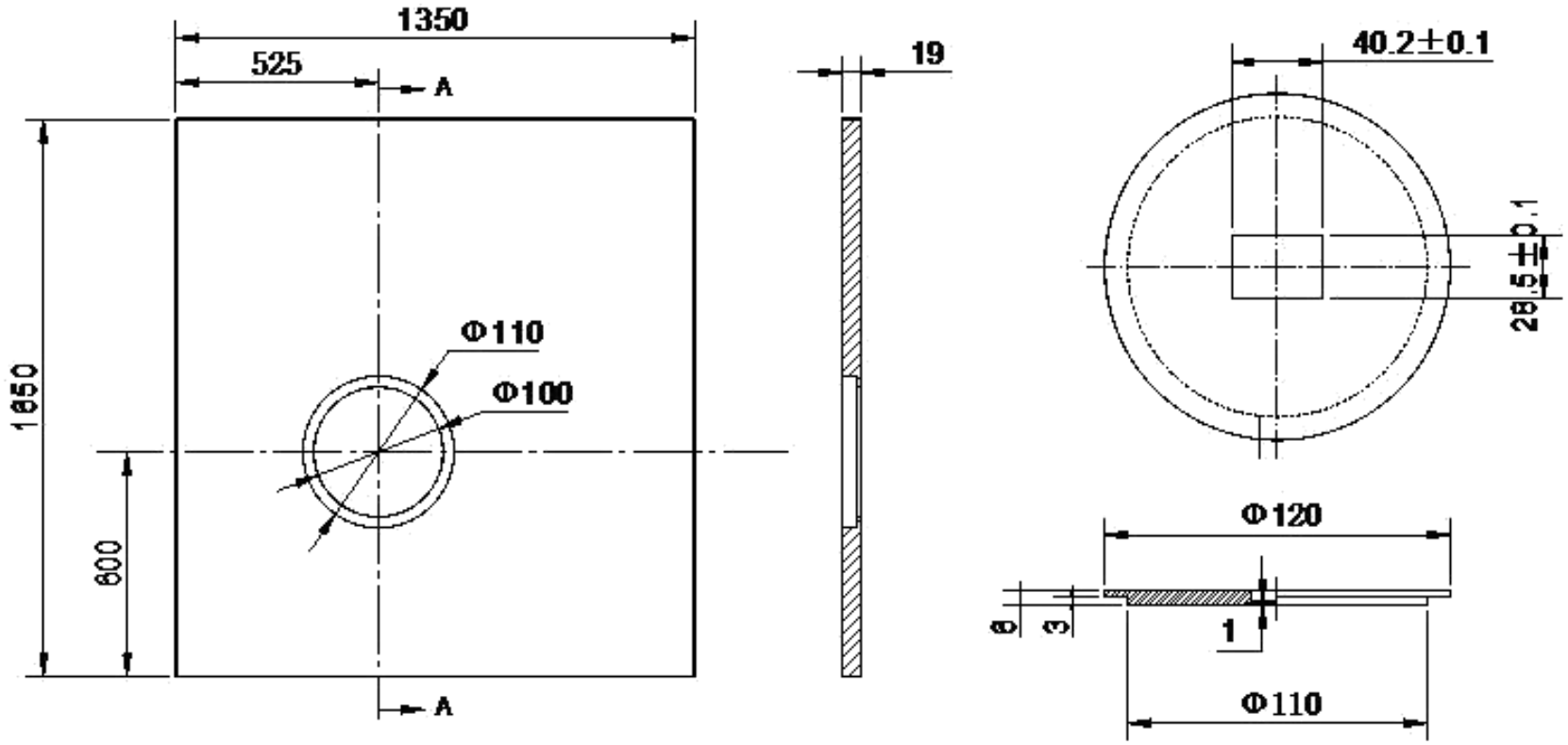


Tablet&Laptop Speaker AH3020-C36

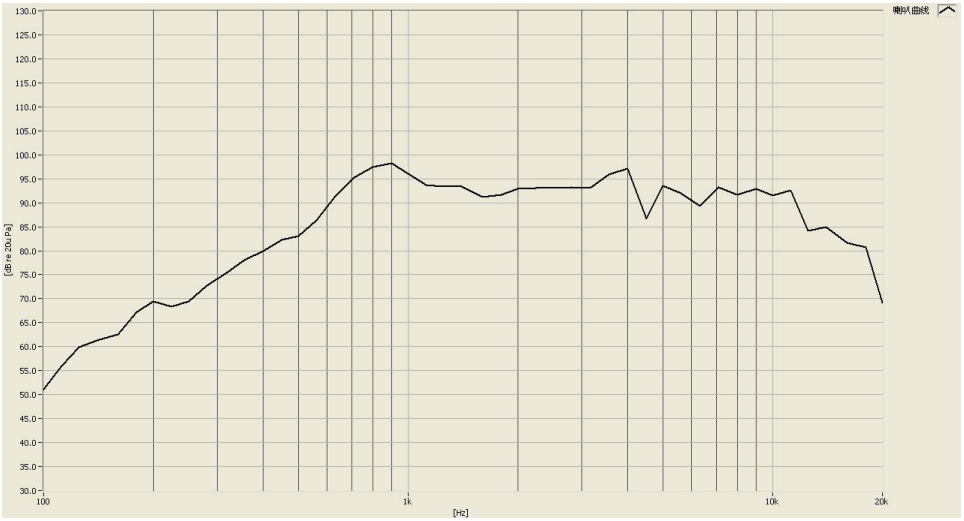


Model	AH3020-C36
Impedance	8 ohm
Nominal Power	1.5 w
Maximum Power	2.0 w
Resonance Frequency（Fo）（Fo）	850±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	93±3dB/W/M

Tablet&Laptop Speaker
AH3020-C36

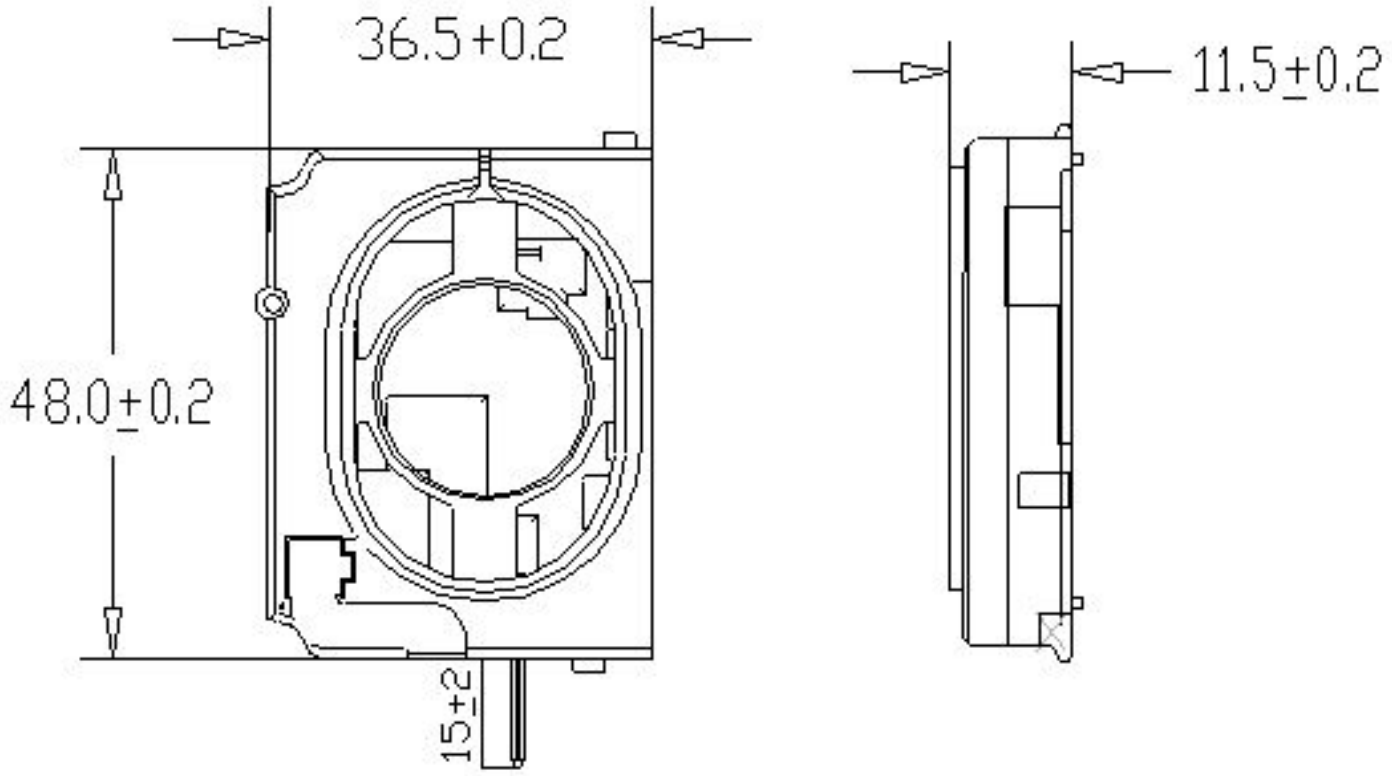


Tablet&Laptop Speaker
AH4028-68　T959

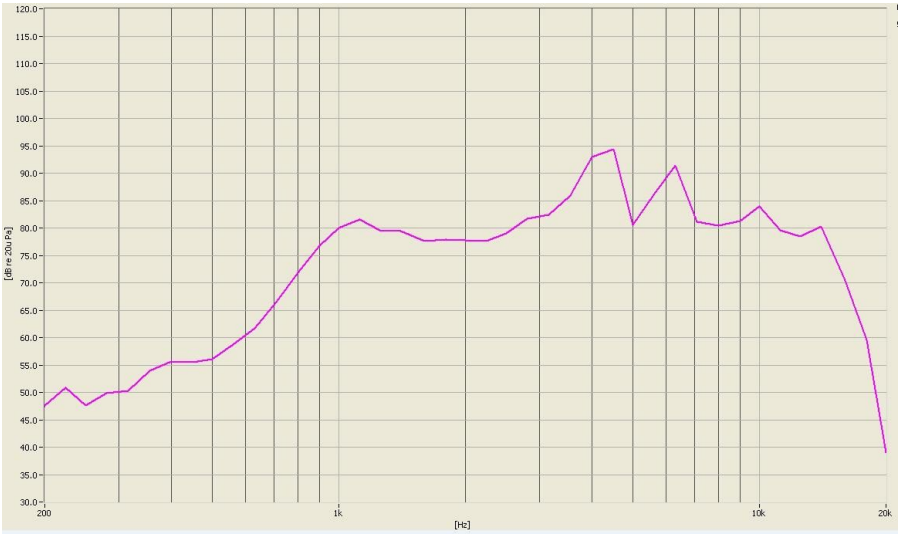


Model	AH4028-68　T959
Impedance	8 ohm
Nominal Power	1.5 w
Maximum Power	2.0 w
Resonance Frequency（Fo）（Fo）	750±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	97±3dB/W/M

Tablet&Laptop Speaker
AH4028-68 T959

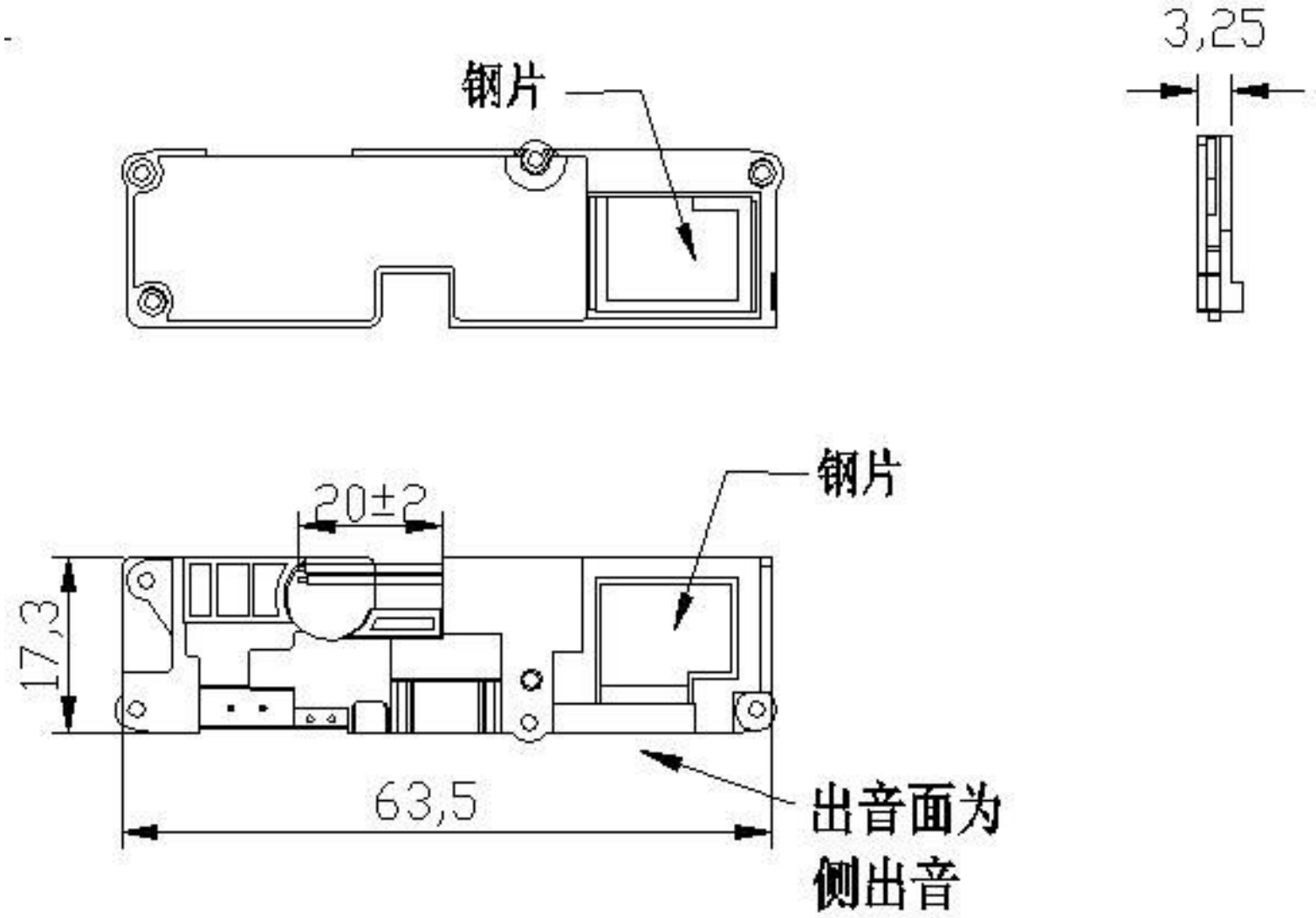


Tablet&Laptop Speaker BL12

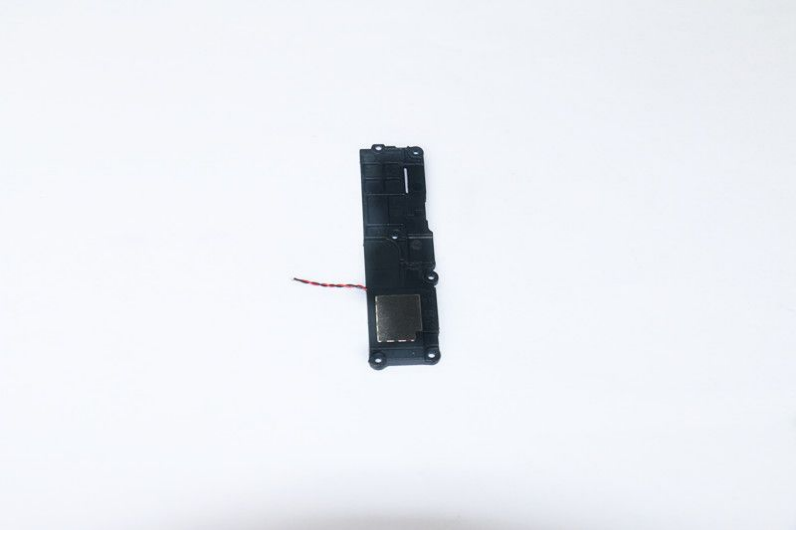


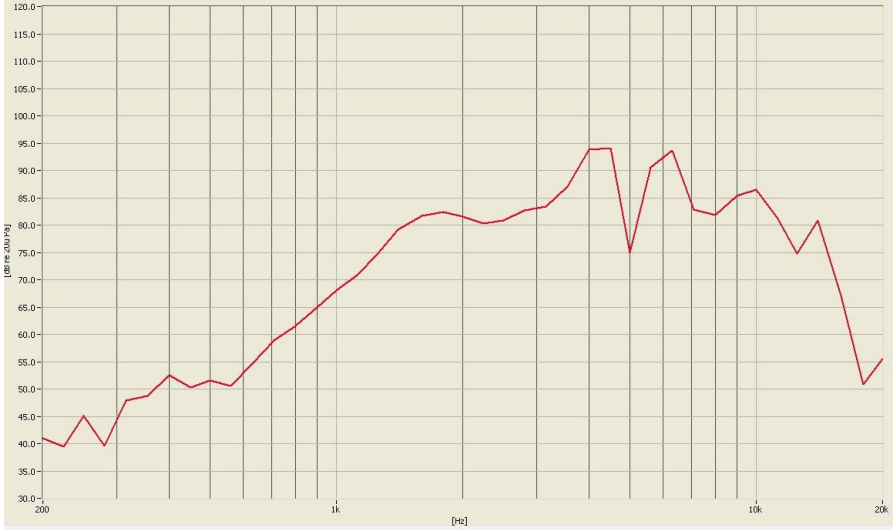
Model	BL12
Impedance	8 ohm
Nominal Power	0.7 w
Maximum Power	1.0 w
Resonance Frequency（Fo）（Fo）	800±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	82±3dB/W/M

Tablet&Laptop Speaker
BL12



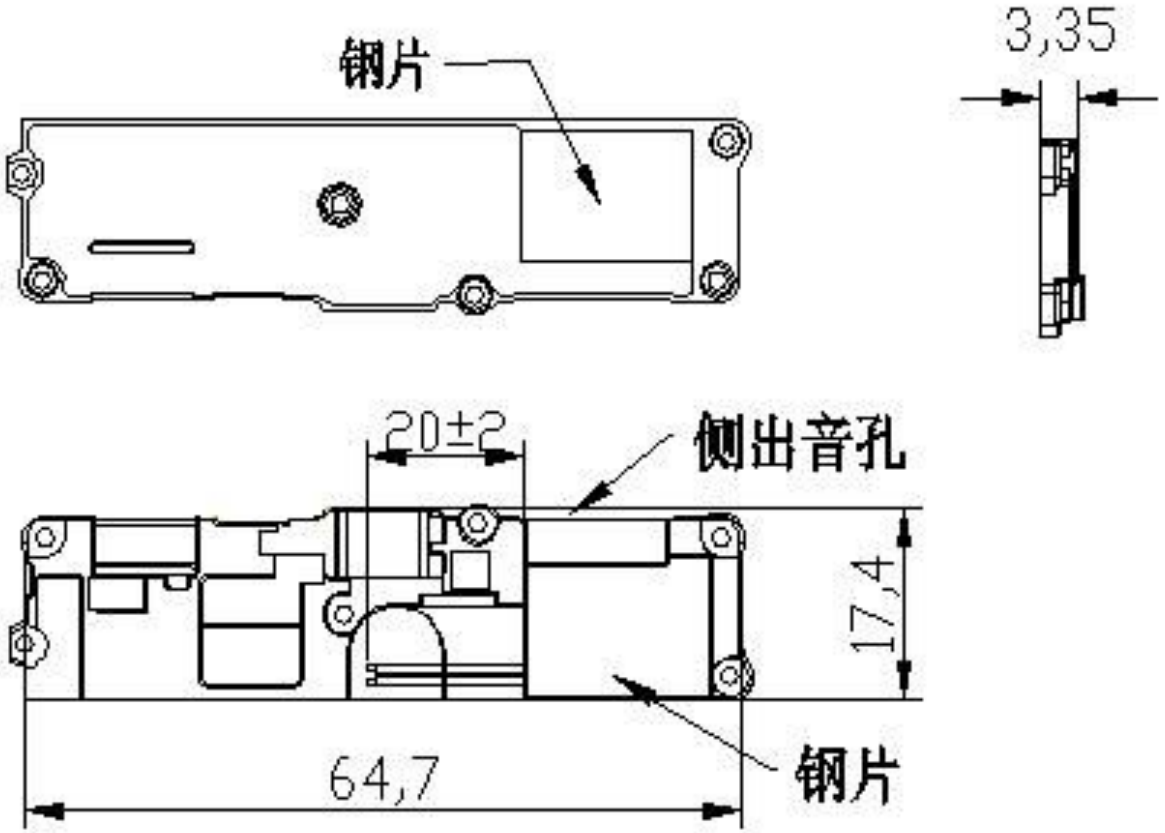
Tablet&Laptop Speaker BL13



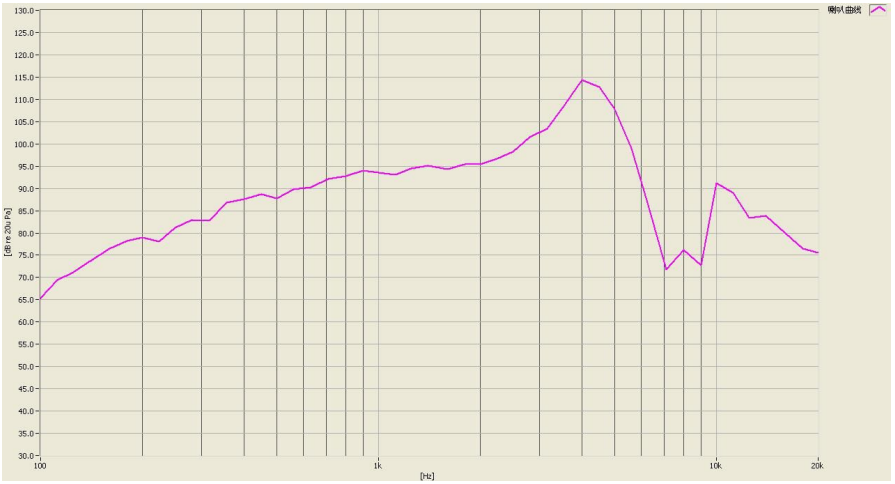


Model	BL13
Impedance	8 ohm
Nominal Power	0.7 w
Maximum Power	1.0 w
Resonance Frequency（Fo）（Fo）	1500±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	82±3dB/W/M

Tablet&Laptop Speaker
BL13

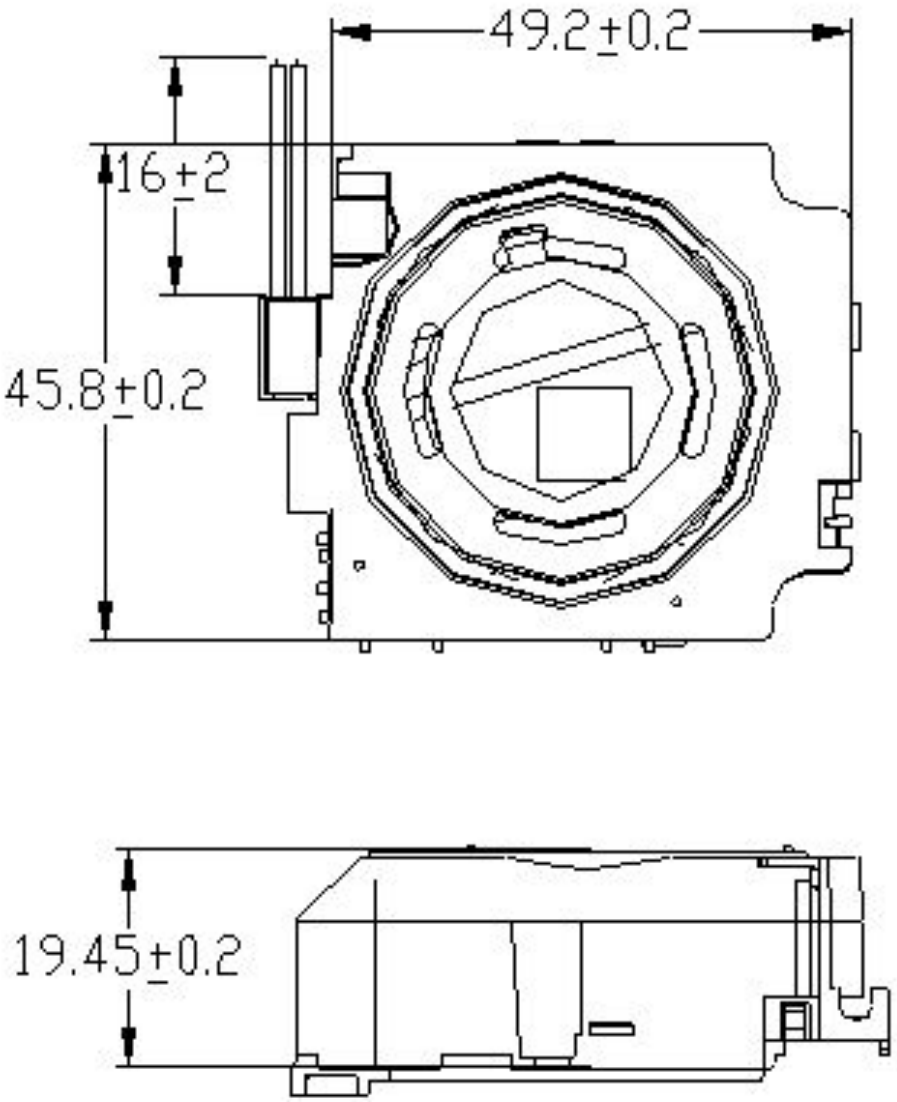


Tablet&Laptop Speaker T929-40



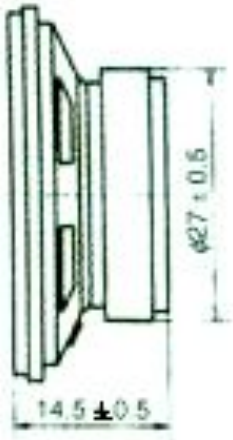
Model	T929-40
Impedance	3 ohm
Nominal Power	2.0 w
Maximum Power	2.5 w
Resonance Frequency（Fo）（Fo）	600±20% Hz±20% Hz
Response:	Fo~20KHz
S.P.L:	95±3dB/W/M

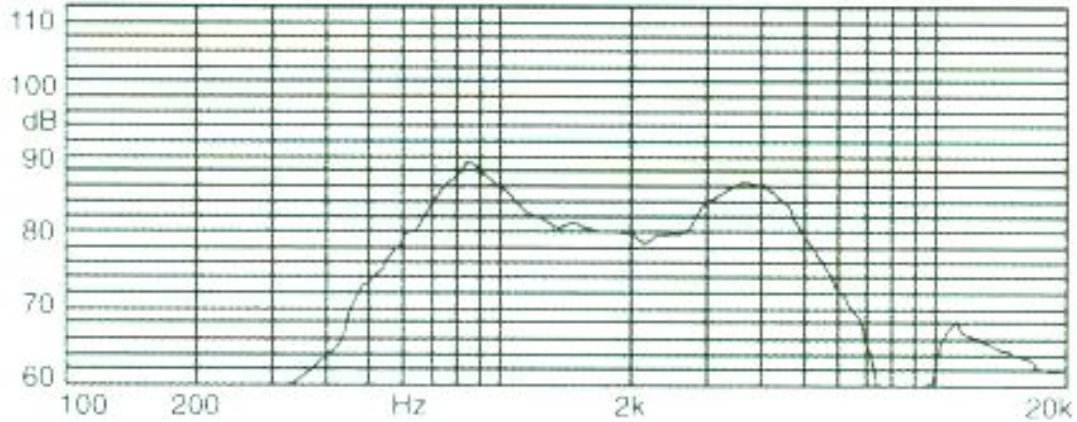
Tablet&Laptop Speaker
T929-40



Loud Speaker
DXYD40W-A

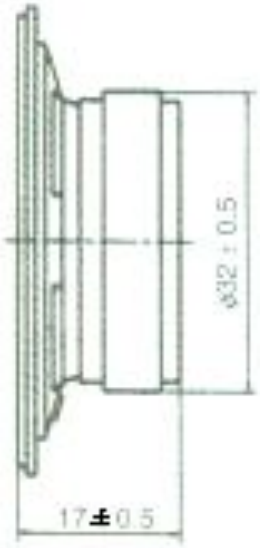
TYPE	UNIT	DXYD40W-A
Rated Impedance	Ω	8±15%
Rated(Max.)Power	w	0.2(0.4)
Resonance Frequency	Hz	800±20%
Rated Freq.Range	Hz	f_0~3500
Sound Pressure Level	dB	80±3
Operating Temperature	^0C	-10~+40

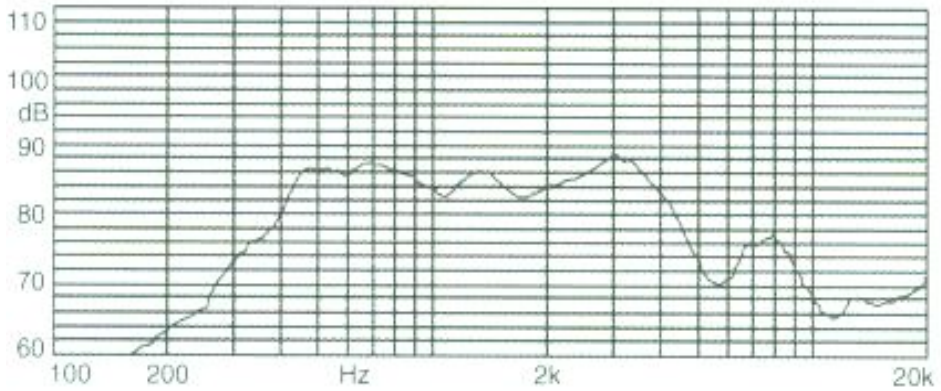




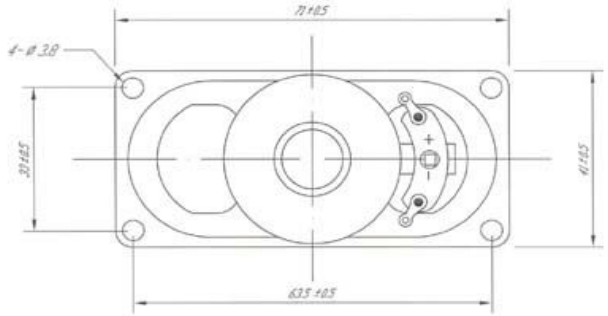
Loud Speaker
DXYD50W-A

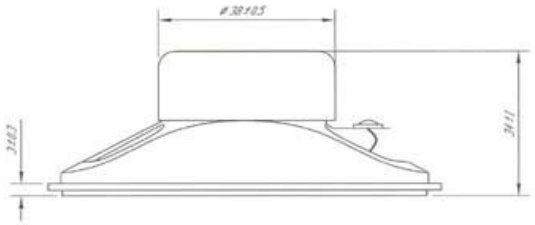
TYPE	UNIT	DXYD50W-A
Rated Impedance	Ω	8±15%
Rated(Max.)Power	W	0.2(0.4)
Resonance Frequency	Hz	450±20%
Rated Freq.Range	Hz	f_0~4000
Sound Pressure Level	dB	84±3
Magnet	g	16.6
Operating Temperature	^0C	-10~+40



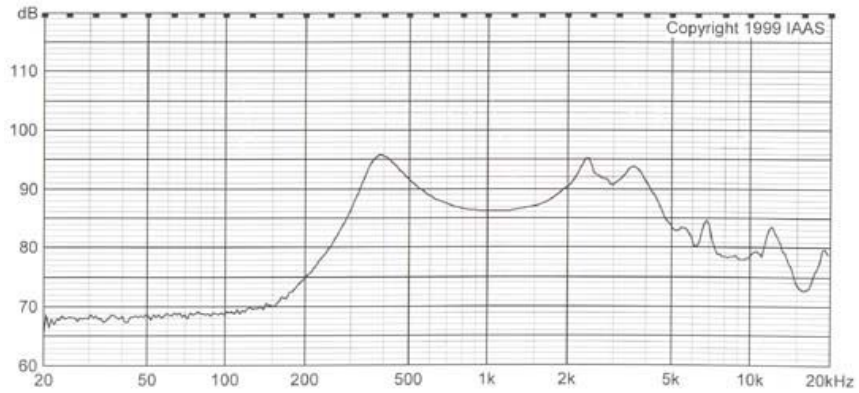


Loud Speaker
DXYD4070N-B

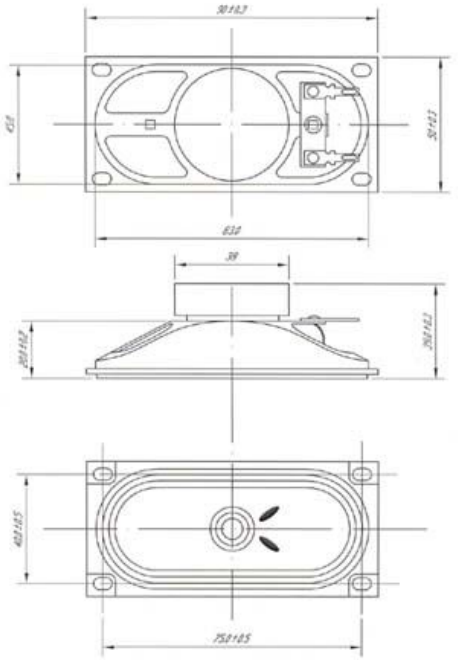




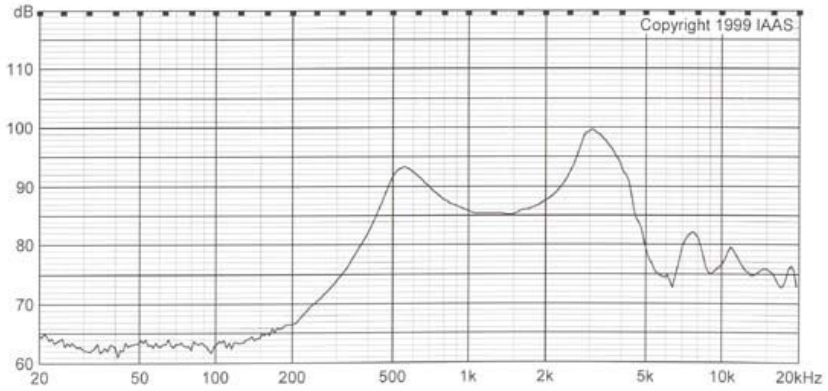
Type	Unit	DXYD4070N-B
Rated Impedance	Ω	8
Rated Power	W	1.0
Max Power	W	5.0
Resonance Frequency	Hz	500
Rated Freq. Range	Hz	200～5000
Sound Pressure Level	dB	85±2
Crust		Iron



Loud Speaker
DXYD5090N-A



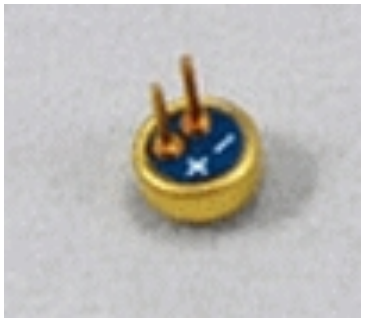
TYPE	UNIT	DXYD5090N-A
Rated Impedance	Ω	8±15%
Rated(Max.)Power	W	0.5(1.0)
Resonance Frequency	Hz	250
Rated Freq.Range	Hz	200~5000
Sound Pressure Level	dB	80±2



CONDENSER MICROPHONE

DG04015DD(C33)		
Type	DG04015DD(C33)	
Sensitivity(0dB=1v/ubar,1KHz)	-38dB	
Standard operating voltage	2V	
Impedance	2.2KΩ-30%	
Load Resistance	2.2KΩ	
Current consumption	Maximum 0.5.mA	
Frequency response	50~12000Hz	
Sensitivity attenuation characteristics	-3dB change within 2V-1.5V	
Maximum operating voltage	10V	
Signal to Noise Ratio	＞58dB	

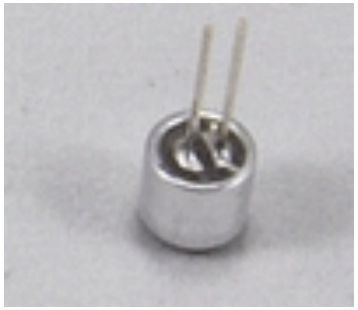
CONDENSER MICROPHONE

DG04015DD(PC33)		
Type	DG04015DD(PC33)	
Sensitivity(0dB=1v/ubar,1KHz)	-38dB ~-48dB	
Standard operating voltage	2V	
Maximum operating voltage	10V	
Impedance	2.2KΩ-30%	
Load Resistance	2.2KΩ	
Sensitivity attenuation characteristics	-3dB change within 2V-1.5V	
Current consumption	Maximum 0.5.mA	
Frequency response	50~12000Hz	
Signal to Noise Ratio	＞58dB	

CONDENSER MICROPHONE

DG06027DD(ROHS)		
Type	DG06027DD(ROHS)	
Sensitivity(0dB=1v/ubar,1KHz)	-36dB ~-46dB	
Standard operating voltage	2V	
Maximum operating voltage	10V	
Impedance	Low impedance	
Load Resistance	2.2KΩ	
Sensitivity attenuation characteristics	-3dB change within 2V-1.5V	
Current consumption	Maximum 0.5.mA	
Frequency response	20~16000Hz	
Signal to Noise Ratio	＞58dB	

CONDENSER MICROPHONE

DG06050CD(-P)		
Type	DG06050CD(-P)	
Sensitivity(0dB=1v/ubar,1KHz)	-30dB ~-46dB	
Standard operating voltage	4.5V	
Maximum operating voltage	10V	
Impedance	2.2KΩ-30%	
Load Resistance	2.2KΩ	
Sensitivity attenuation characteristics	-3dB change within 4.5V-3V	
Current consumption	Maximum 0.5.mA	
Frequency response	20~16000Hz	
Signal to Noise Ratio	＞60dB	

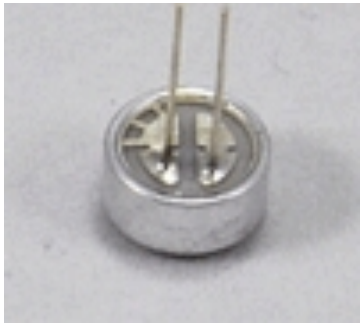
CONDENSER MICROPHONE

DGU9752AA		
Type	DGU9752AA	
Sensitivity(0dB=1v/ubar,1KHz)	-54dB ± 4dB	
Standard operating voltage	1.5V	
Maximum operating voltage	10V	
Impedance	680Ω-30%	
Load Resistance	2.2KΩ	
Sensitivity attenuation characteristics	-3dB change within 1.5V-1V	
Current consumption	Maximum 0.5.mA	
Frequency response	100~10000Hz	
Signal to Noise Ratio	＞58dB	

CONDENSER MICROPHONE

DG09745CD(-P)(ROHS)

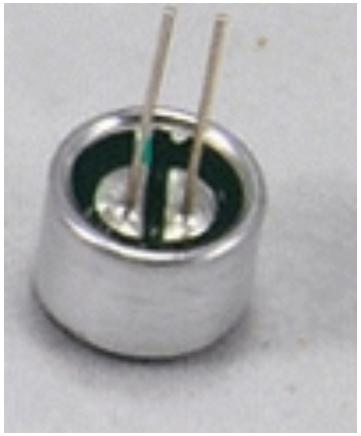
Type	DG09745CD(-P)(ROHS)
Sensitivity(0dB=1v/ubar,1KHz)	-30dB ~ -44dB
Standard operating voltage	4.5V
Maximum operating voltage	10V
Impedance	2.2KΩ-30%
Load Resistance	2.2KΩ
Current consumption	Maximum 0.5.mA
Frequency response	20~16000Hz
Signal to Noise Ratio	＞60dB



CONDENSER MICROPHONE

DG09465CD(-P)(ROHS)

Type	DG09465CD(-P)(ROHS)
Sensitivity(0dB=1v/ubar,1KHz)	-30dB ~ -46dB
Standard operating voltage	4.5V
Maximum operating voltage	10V
Impedance	2.2KΩ-30%
Load Resistance	2.2KΩ
Sensitivity attenuation characteristics	-3dB change within 4.5V-3V
Current consumption	Maximum 0.5.mA
Frequency response	20~16000Hz
Signal to Noise Ratio	＞60dB

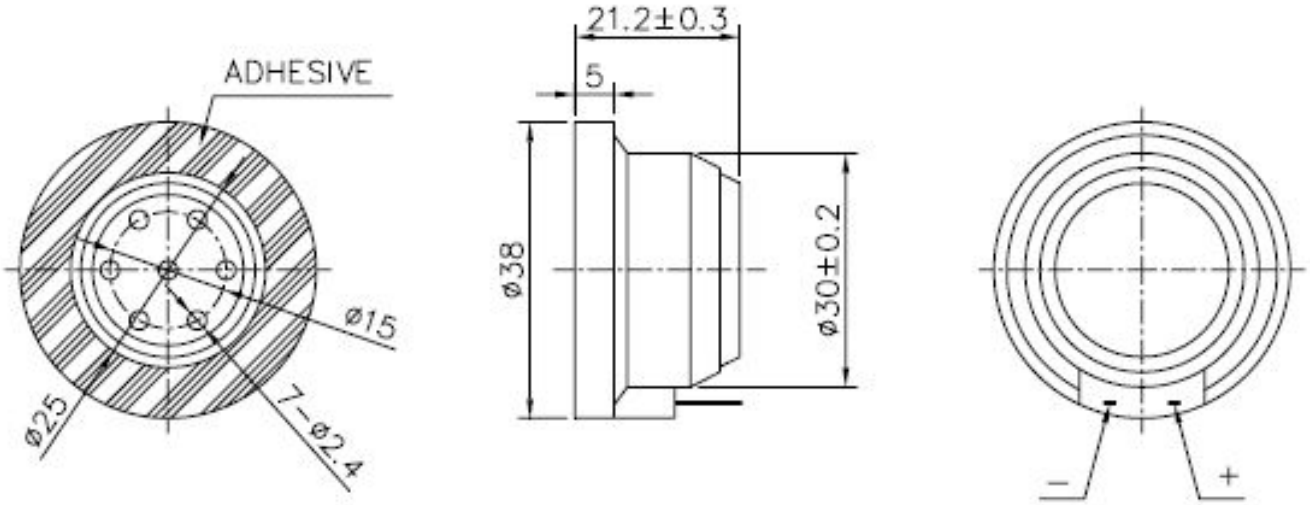


CONDENSER MICROPHONE

DGU9752AA		
Type	DGU9752AA	
Sensitivity(0dB=1v/ubar,1KHz)	-42dB ~ -54dB	
Standard operating voltage	1.5V	
Maximum operating voltage	10V	
Impedance	680Ω-30%	
Load Resistance	2.2KΩ	
Sensitivity attenuation characteristics	-3dB change within 4.5V-3V	
Current consumption	Maximum 0.5.mA	
Frequency response	100~16000Hz	
Signal to Noise Ratio	＞58dB	

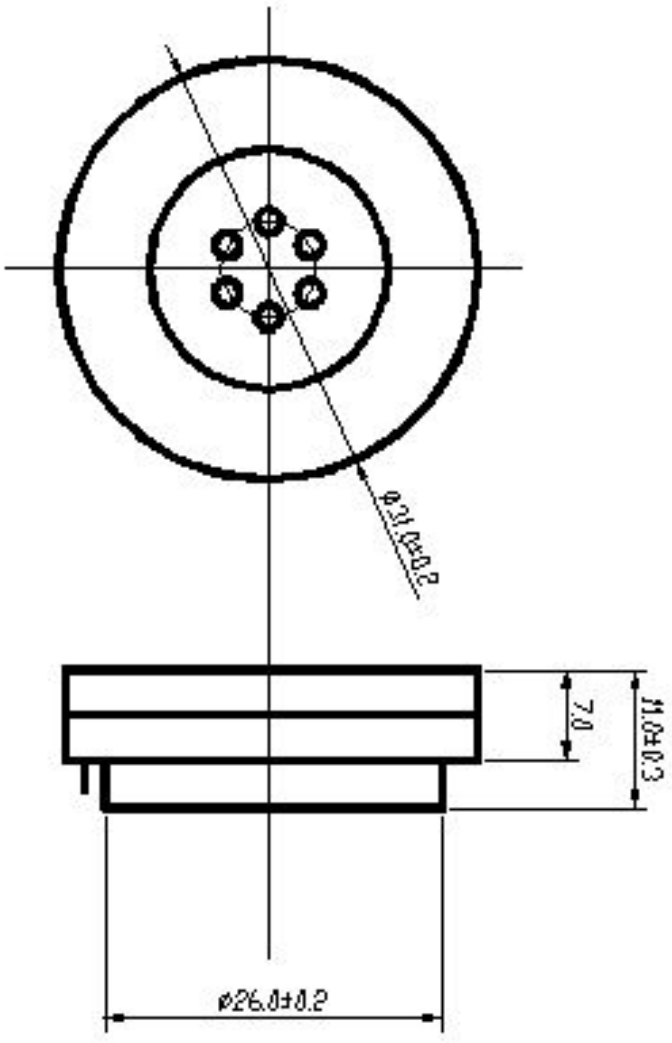
RECEIVER SD150

D C Resistance	Ω	42
A C Impedance	Ω	50
Sensitivity	dB	100 at 1KHz,60mV
F frequency Range	Hz	200~4000
THD		≤2%
Operating Temperature	℃	- 25 ~ +55
Weight	g	35



RECEIVER SD152B

D C Resistance	Ω	42
A C Impedance	Ω	50
Sensitivity	dB	99
F frequency Range	Hz	200~4000
THD		≤2%
Operating Temperature	℃	- 25 ~ +55
Weight	g	14.5



RECEIVER SD152BH

D C Resistance	Ω	42
A C Impedance	Ω	150
Sensitivity	dB	94
F frequency Range	Hz	300~3400
THD		≤2%
Operating Temperature	℃	- 15 ~ +60
Weight	g	15

RECEIVER SD153B

D C Resistance	Ω	42
A C Impedance	Ω	50
Sensitivity	dB	100 at 1KHz,60mV
F frequency Range	Hz	200~4000
THD		≤2%
Operating Temperature	℃	- 25 ~ +55
Weight	g	4.1